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Astronomie

CREATION CENTRED
IN
CHRIST

VOL. II

TABLES OF VERNAL EQUINOXES AND NEW MOONS

for 3555 *years*

1. IN OLD STYLE FROM B.C. 1622 TO A.D. 1934
2. IN NEW STYLE FROM THE ENGLISH REFORMATION OF THE CALENDAR, A.D. 1752 TO A.D. 1934

Computed from Prophetic Times in the Book of Daniel regarded as Astronomical Cycles

BY

H. GRATTAN GUINNESS, D.D., F.R.A.S

London
HODDER AND STOUGHTON
27 PATERNOSTER ROW
1896

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vol.2

TESTIMONIALS FROM ASTRONOMERS.

SOME copies of the Tables contained in this volume were printed in 1895 and sent to a few leading astronomers in Great Britain, including Dr. Downing, Superintendent of the Nautical Almanac; Mr. Lynn, long connected with Greenwich Observatory; Dr. Dreyer, of Armagh Observatory, and Mr. Marth, of Markree Observatory. The following testimonials and letters from these astronomers express the results of their examination of the work. Dr. Downing's position, as appointed by Government to superintend the preparation of an annual volume of Astronomical Tables, containing 500 pages of important matter, Mr. Lynn's frequent and valuable contributions to astronomical literature, Dr. Dreyer's experience as formerly Editor of the Astronomical Journal "Copernicus," and as the author of various standard astronomical works, and Mr. Marth's widely known and almost unrivalled ability as a mathematician and astronomer, give ample value to their testimonies.

Testimonial from Dr. Dreyer, F.R.A.S.

"These Tables give the date, hour and minute of every new moon from the year B.C. 1622 to A.D. 1934, as well as the Dominical letters and the time of vernal equinox for every year of this period. Hitherto chronologists who required the time of any new moon have had to calculate it from Largeteau's Tables published in the *Connaissance des Temps pour l'an* 1846; or, if very great accuracy was required, by Oppolzer's *Syzygien-Tafeln fur den mond* (Leipzig, 1881); but Dr. Guinness's Tables give the time of new moon by mere inspection without any calculation whatever. In his introduction the author illustrates the accuracy of

his tables by a comparison with the time of the first solar eclipse of each century, taken from Oppolzer's *Canon der Finsternisse,* and shows that his tables never differ from these more than two hours, while the differences frequently amount to only a few minutes.

"I have myself tested the Tables by means of a number of eclipses rigorously computed by Stockwell (eclipses observed in India B.C. 1386, 1301, 1250), by Schjellerup (B.C. 707, 599, and 547, observed in China), and by Newcomb (Arabian eclipses from the middle ages), and with the same result. *These Tables are therefore somewhat more accurate than those of Largeteau, and of course vastly more convenient, as they do not entail any calculation.*

"These Tables have been calculated by means of the luni-solar cycles discovered by the Swiss astronomer, De Cheseaux, about the middle of last century, but hitherto very little noticed by scientific men. The cyclical new moons thus found are given in the tables side by side with the true new moons obtained from them by equating for solar and lunar anomaly. Astronomers will be much interested in the remarkable accuracy obtained in this way by Dr. Guinness.

"The Tables will be of great practical value to chronologists and historians, who can find from them the day of the week and the age of the moon corresponding to any date. Particularly to students of Oriental history they will be invaluable, as the moon is the clock hand of Eastern nations. But they will also in many cases be of great use to astronomers as a ready means of finding, by a mere glance, the whereabouts of the moon in the sky at any time during the last three thousand years.

"J. L. E. DREYER."

"ARMAGH OBSERVATORY,
April 8th, 1895."

The above testimonial from Dr. Dreyer is reprinted from

the Introduction to Volume I., as some, into whose hands these Tables may come, will not possess a copy of the earlier volume.

Testimonial from Dr. Downing, F.R.A.S., Superintendent of the Nautical Almanac.

NAUTICAL ALMANAC OFFICE,
3, VERULAM BUILDINGS, GRAY'S INN, W.C.,

DEAR SIR,— *March 23rd*, 1895.

I have examined your volume of Astronomical Tables containing Dominical letters, Vernal Equinoxes and New and Full Moons for some thirty centuries. I think you have shown that De Cheseaux' cycles of 2300 and 1040 years (by means of which your times are deduced) are not only curiosities of astronomy, but are sufficiently accurate to be turned to practical use for the computation of the positions of the Sun and Moon at distant epochs. The comparison of your results with those of Oppolzer's *Canon der Finsternisse* and other authorities to which you refer in the introduction would of itself be sufficient to justify you in claiming a remarkable degree of accuracy for your Tables. But in addition to this I have examined a great number of your results, and find that a discordance of about three hours between your times and those computed from various Tables that were accessible to me, is the greatest discordance to be apprehended. For any purposes, therefore, for which an error of this magnitude in distant dates is immaterial, your Tables may be used with the greatest confidence.

You have made your Tables considerably more interesting and useful by giving, in addition to the times of Mean, New and Full Moon, those of True New and Full Moon, deduced from the former by the application of the two principal inequalities.

Yours faithfully,
A. M. W. DOWNING.

Letter from W. T. Lynn, Esq., F.R.A.S.

3, South Vale,
Blackheath, S.E.,
March 25*th*, 1895.

Dear Sir,—

I may now safely say that your New Tables are abundantly accurate for all historical and chronological purposes, in many of which they will doubtless be found very useful. They have evidently been computed with great care and accuracy, and the comparison with Oppolzer's Canon was a highly satisfactory check.

Yours very truly,
W. T. LYNN.

Letter from A. Marth, Esq., F.R.A.S.

Markree Observatory,
Collooney, Ireland,
March 16*th*, 1895.

Dear Dr. Guinness,—

Most gratefully I beg to acknowledge the receipt of your very kind letter and of your new book. As it happens we have been working in different portions of the same field, and I highly appreciate the thoroughness with which you have tilled your portion. As regards the chief aim you have at heart, the proving of Daniel's prophetic 2,300 days to refer to the soli-lunar cycle of 2,300 years, it would have been sufficient to give the list of comparisons on p.xxvii. of your Tables. That Daniel's periods were not derived from his understanding science and being in possession of "the learning of the Chaldeans" is plain from the statement that he had to ask for the meaning of the vision including the times mentioned. But if it was not intended that the revelation should be understood till a late time, and that it should remain a dark mystery to some, you will have to

acquiesce in the failure of many truth-seekers to lift the veil. The bulk of your book enables astronomers to know the whereabouts of the moon at any time during these thousands of years. What I have been aiming at, but what I have not yet been able to accomplish except for a portion of that period, is to provide astronomers the data for finding the whereabouts of the old planets. If nothing too serious interferes with my working diligently at it during the next six or eight weeks I hope to get "a Table for finding by means of modern Ephemerides the whereabouts of the old planets during the six centuries A.D. 1400–2000, and also outside of these limits" ready and printed about midsummer. In comparison with your book it will be a tiny publication, the data for each year filling only a single line . . .

With grateful thanks,

Yours sincerely,

A. MARTH.

In a later letter Mr. Marth verifies the correctness of the new moons for the year B.C. 1622, the starting point of the Tables, by means of Schram's Tables. Employing Schram's data, and reducing to Jerusalem civil time, he finds the following:—

				d	*h*	*m*
B.C.—1622.	Schram.	New Moon.	April.	5	3	1
"	Tables.	"	"	5	3	38
"	Schram.	"	May.	4	10	6
"	Tables.	"	"	4	11	17
"	Schram.	"	June.	2	18	7
"	Tables.	"	"	2	20	2

The differences are slight for such distant dates computed by wholly different methods.

Mr. Marth has been kind enough to compute a Table by which the *mean* Vernal Equinoxes in this volume may be corrected for *true* Vernal Equinoxes. The differences are inconsiderable for the last twenty-five centuries, ranging in that period from 8 minutes to 1 h. 25 m. He has also calcu-

lated from Leverrier's Tables the length of the Tropical year at different dates, and it will be observed with interest that its length at the commencement of the Christian era, as thus deduced, 395 d. 5 h. 48 m. 56 s. corresponds exactly with its length according to the 1,040 years "Daniel cycle" discovered by De Cheseaux. Both these Tables by Mr. Marth will be found at the end of the Introduction.

I desire to acknowledge the kindness of Dr. Dreyer in reading the proof sheets of the astronomical portions of vol. i. while they were passing through the press. The following extract from one of his letters casts some additional light on the value and accuracy of the Tables.

"I certainly think that your Tables will be found very useful by historians and chronologists, at any rate I *know* that to me personally they will be extremely useful and convenient, as I am particularly fond of studying the history of astronomy, and have not infrequently missed a Table like yours. And it must be confessed that the lunar theory is not as yet in a sufficiently satisfactory state to enable us to calculate the places of the Moon for, say B.C. 1000, with a very much greater accuracy than that of your Tables. Whether ancient eclipses really give a much larger value for the secular acceleration than theory, is also very doubtful; from the mediæval ones Newcomb found only about 8."

I have never seen Cheseaux's book, but hope to see it the next time I am in Edinburgh, as I see there is a copy in the library of the R. Observatory, and I look forward with much interest to the reading of it.

"Once more thanking you for your kindness in presenting me with a copy of your valuable work.

"Believe me,

"Yours very truly,

"J. L. E. DREYER."

INTRODUCTION TO THE TABLES.

A knowledge of the dates of the new and full moons and vernal equinoxes is of primary value in the study of civil and sacred history and chronology.

In the Jewish Calendar the entire series of dates is dependent on the position of the Passover, which in its turn is regulated by the time of the full moon of the vernal equinox. Similarly all the dates in the Christian Ecclesiastical Calendar depend on the position of Easter, which is determined by the time of the first full moon following the vernal equinox. The Jewish feasts of Passover, Pentecost, Tabernacles, etc., were appointed to take place on certain days of the months measuring the sacred year, while these months were reckoned from the lunar phasis, or first appearance of the new moon. Without a knowledge of the exact times of new moons and vernal equinoxes it is impossible to fix or verify the dates of a great variety and multiplicity of events in the long course of Jewish and Christian history. On the other hand, such a knowledge is of considerable practical value in the study of civil history and chronology—Egyptian, Assyrian, Babylonish, Persian, Grecian, Roman, Mohammedan, Indian, Chinese, Early, Mediæval and Modern, in all of which both solar and lunar dates, especially the dates of eclipses, are of constant use and occurrence.

The following tables give the times of all the vernal equinoxes and new moons for 3,555 years, from B.C. 1622, the probable date of the Exodus, the starting point of the Jewish Calendar, to A.D. 1934. For the convenience of students of Sacred Chronology the solar and lunar dates are

stated in Jerusalem civil time, which is 2 h. 21 m. in advance of Greenwich time.

The times of the full moons of all lunar eclipses are added, from B.C. 1207 to A.D. 1934. As solar eclipses invariably coincide with new moons, no separate statement of these is presented. The observed or calculated times of solar and lunar eclipses can be employed to verify the correctness of the new and full moons of these tables. As a matter of fact the tables have been thus verified by a careful comparison with the records of eclipse chronology, and especially with the 12,348 solar and lunar eclipses in Oppolzer's invaluable *Canon der Finsternisse,* from B.C. 1207 to A.D. 1934.

The Dominical letter is given for every year, and a glance at the Dominical Tables appended to this introduction will be sufficient in order to ascertain the day of the week of any of the solar and lunar dates in the tables of equinoxes and new moons.

The method employed in calculating the Tables is as follows: the Tables are based upon the primary natural cycles adjusted to the correction of the Jewish and Christian Calendars.

1. Before their employment of the 19 years' Lunar cycle the Jews used the cycle of 84 years (7×12) in the regulation of their Calendar. The error of this cycle accumulates in 15 repetitions to an entire month. Hence *the primary natural cycle adjusted to its correction is* 84×15, *or* 1,260 *tropical years,* a cycle in which the years and months very closely agree.

2. The Modern Jewish Calendar, especially as dating from Rabbi Hillel's Tables, A.D. 353, is based on the 19 years lunar cycle, which, as discovered by the Greek mathematician Meton, B.C. 432, still bears his name. The error of this cycle is so small (being only 2 h. 4 m.), as to give it an unrivalled position among the lesser lunar cycles, and to justify its employment as the foundation of the calendar in later Greek,

and Christian, as well as in Jewish chronology. *The primary natural cycle adjusted to the correction of the* 19 *years cycle is that of* 2,300 *years,* in which the error accumulates to between ten and eleven days, and thus equals the epact of a single year (employing the word "epact" in the sense of the excess of the tropical year above 12 synodic months). The 28,435 months of 121 Metonic cycles exceed 2,299 tropical years by 10 to 11 days, or the epact of the 2,300th year, and with the remaining 12 lunations of that year make 28,447 months, or 2,300 tropical years; a cycle remarkable not only for the closeness of the agreement of months and years, but as the only secular cycle known.

3. The cyclical character of the periods of 1,260 and 2,300 years was discovered more than a century ago by the Swiss astronomer De Cheseaux, and also that *their difference,* 1,040 *years, forms the most accurate luni-solar cycle known.* De Cheseaux considered this cycle to be absolutely accurate as a cycle of the tropical year, synodic month, and solar day. More modern measures show it to have an error of about 1½ hours; but that error diminishes as we ascend the stream of past time, and disappears altogether at about the date of the Jewish captivity in Babylon, when the length of the solar year was six or seven seconds greater than it is at present; in other words, 1,040 tropical years at the date of the Babylonish captivity very closely agreed with 12,863 lunations, and both with 379,852 solar days.

4. The 2,300 years cycle is not only a cycle of the tropical year and synodic month, but also (as was discovered in the preparation of the present tables) *a cycle of the anomalistic month,* the agreement being remarkable for its accuracy. The 840,057 days of 2,300 years are just 30,487 anomalistic months.

5. The 2,300 years cycle measures 40 days of the "annus magnus" of the revolution of the Solar Perigee with reference to the Equinoxes.

Employing these fundamental natural cycles as the basis of the construction of an extensive calendar, embracing the whole range of Jewish and Christian as well as the larger part of civil history, the problem we have worked out has taken the following form—*given these primary cycles; let it be required, to deduce from these a complete decursus of calendar times, solar and lunar, for the period of* 3,555 *years, from* B.C. 1622 *to* A.D. 1934.

The possibility of such a deduction owes its special interest and importance to the place which these cycles occupy in the volume of Revelation.

The deduction of the Tropical and Anomalistic years, and the Synodic and Anomalistic months from these cycles, is accomplished as follows:—

(1) *Tropical year.*

(*a*) by 2300 y. 840057 d. ÷ 2300 = 365·24217391 d.

(*b*) by 1040 y. 379852 d. ÷ 1040 = 365·24230769 d.

Mean . . . . . 365·2422408

or 365 d. 5 h. 48 m. 49 s.

(2) *Anomalistic year.*

By 2300 years cy. = 40 days of revol. of Perigee with reference to the Equinoxes.

40 d. : 365·242 d. :: 2300 y. : 21000 y.

$$\text{Trop. y.} + \frac{\text{Trop. y.}}{21000} = 365 \text{ d. } 6 \text{ h. } 13 \text{ m. } 52 \text{ s.}$$

(3) *Synodic month.*

By 1040 y. cy. 379852 d. ÷ 12863 = 29 d. 12 h. 44 m. 3 s.

(4) *Anomalistic month.*

By 2300 y. cy. 840057 d. ÷ 30487 = 27 d. 13 h. 18 m. 37 s.

From the foregoing values the Sun's mean anomaly and the Moon's mean anomaly have been obtained as follows:—

SUN'S MEAN ANOMALY.

$$\text{Sun's Mean Anomaly} = \frac{\text{Synodic month} \times 360}{\text{Tropical year.}} - \text{Long. of Perigee.}$$

Mean Longitude.

```
                    29·53059161937
                               360
                    ---------------
                    1771 83549716220
                    8859 177485811     Mean    Long.
                    ---------------
365·2422408026)10631·01298297820(29° 6′ 24′·28
                    7804 844816052
                    ---------------
                    3326 1681669212
                    3287 1801672234
                    ---------------
                      38 9879996978
                                60
                    ---------------
                    233 92799818680
                    219 14534448156
                    ---------------
                     14 78265370524
                                60
                    ---------------
                    88 695922231440
                    78 04844816052
                    ---------------
                    15 647474070920
                    14 609689632104
                    ---------------
                     1 0377844388160
                       7804844816502
                       -------------
                       30729995716580
                       29219379264208
                       --------------
                       1510616452372
                       --------------
```

Long. of Perigee.

```
10631 · 0129 829732
---------------------
21000 x  365·2422408026
                 21,000 years
          ----------------
          365 242 2408026
         7304 844 816052
         ----------------
                                        Long. Perigee.
         7670 087·0568546)10631·0129829732(0° 0′ 4″·99
                                          60
                          ----------------
                           637860·7789783920
                                          60
                          ----------------
                          3827164 67387085200
                          3068084 82274184
                          ----------------
                           759129 851128512
                           690807 885116914
                           ----------------
                            68822 0160115980
                            61860 6964548368
                            ----------------
                             7461 3195567612

                           29°   6′  24·″28   Mean Long.
                         – 0    0    4· 99    Long. Perigee.
                           ----------------
Sun's Mean Anomaly =29    6  19· 29 = Mean Long. – Long. Perigee.
```

MOON'S MEAN ANOMALY.

$$\text{Moon's Mean Anomaly} = \frac{(\text{Synodic Month} - \text{Anomalistic Month}) \times 360.}{\text{Anomalistic month}}$$

```
                                   d.
(Synodic—Anomalistic)      =   1·97599457797
                                          360
                                 ------------
                                 11 855967467820
                                 59 2798878391
                                 ------------
Anomalistic month = 27·5545970414)711·85804806920(25° 48′ 58″·7198
                                 551 091940828
                                 ------------
                                 160 2661072412
                                 137 7729852070
                                 ------------
                                  22 4981220842
                                            60
                                 ------------
                                 134 95878220520
                                 110 2188881656
                                 ------------
                                  24 74084408960
                                  22 04367768812
                                 ------------
                                   2 69666640648
                                            60
                                 ------------
                                  16 179998438880
                                  13 77729852070
                                 ------------
                                   2 402699918180
                                   2 204367768812
                                 ------------
                                     1988321548680
                                     1928821792898
                                     -------------
                                       544997557820
                                       275545970414
                                       ------------
                                       2694515874060
                                       2479918738726
                                       -------------
                                       2146021408340
```

With the values of the Sun's mean anomaly, and the Moon's mean anomaly thus obtained, the following tables have been calculated :—

(1) *For the present century.* The new moon of March, 1844, being taken as the starting point, or *terminus a quo* of the series.

(2) *For sixty centuries.*

OLD STYLE.

Year.	Mean New Moon in March. Astron. Time. Long. Greenwich.				Mean New Moon in March. Civil Time. Long. Jerusalem.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
	Days	h.	m.	s.	Days	h.	m.	s.	s.	°	′	s.	°	′
1800	18	0	16	25	18	14	37	25	2	23	18	4	8	18
1	2	9	5	2	2	23	26	2	2	12	29	2	18	6
2	21	6	37	42	21	20	58	42	3	0	50	1	23	43
3	10	15	26	20	11	5	47	20	2	20	7	0	3	30
4	28	12	59	0	29	3	20	0	3	8	29	11	9	7
5	17	21	47	37	18	12	8	37	2	27	45	9	18	55
6	7	6	36	15	7	20	57	15	2	17	0	7	28	43
7	26	4	8	55	26	18	29	55	3	5	23	7	4	19
8	14	12	57	33	15	3	18	33	2	24	38	5	14	7
9	3	21	46	10	4	12	7	10	2	18	54	3	23	55
1810	22	19	18	50	23	9	39	50	3	2	17	2	29	31
11	12	4	7	28	12	18	23	28	2	21	32	1	9	19
12	0	12	56	5	1	3	17	5	2	10	48	11	19	7
13	19	10	28	45	20	0	49	45	2	29	10	10	24	44
14	8	19	17	23	9	9	38	23	2	18	26	9	4	31
15	27	16	50	3	23	7	11	3	3	6	48	8	10	8
16	16	1	38	41	16	15	59	41	2	26	4	6	19	56
17	5	10	27	18	6	0	48	18	2	15	20	4	29	44
18	24	7	59	59	24	22	20	59	3	3	42	4	5	20
19	13	16	48	37	14	7	9	37	2	22	58	2	15	8
1820	2	1	37	14	2	15	58	14	2	12	14	0	24	56
21	20	23	9	54	21	13	30	54	3	0	36	0	0	33
22	10	7	58	32	10	22	19	32	2	19	52	11	10	20
23	29	5	31	12	29	19	52	12	3	8	14	9	15	57
24	17	14	19	50	18	4	40	50	2	27	30	7	25	45
25	6	23	8	27	7	13	29	27	2	16	46	6	5	32
26	25	20	41	7	26	11	2	7	3	5	8	5	11	9
27	15	5	29	45	15	19	50	45	2	24	24	3	20	57
28	3	14	18	22	4	4	39	22	2	13	40	2	0	45
29	22	11	51	2	23	2	12	2	3	2	2	1	6	21
1830	11	20	39	40	12	11	0	40	2	21	18	11	16	9
31	1	5	28	18	1	19	49	18	2	10	34	9	25	57
32	19	3	0	58	19	17	21	58	2	28	56	9	1	34
33	8	11	49	36	9	2	10	36	2	18	12	7	11	21
34	27	9	22	16	27	23	43	16	3	6	34	6	16	58
35	16	18	10	54	17	8	31	54	2	25	50	4	26	46
36	5	2	59	31	5	17	20	31	2	15	6	3	6	34
37	24	0	32	11	24	14	53	11	3	3	28	2	12	10
38	13	9	20	49	13	23	41	49	2	22	44	0	21	58
39	2	18	9	26	3	8	30	26	2	12	0	11	1	46
1840	20	15	42	6	21	6	3	6	3	0	22	10	7	23
41	10	0	30	44	10	14	51	44	2	19	38	8	17	10
42	28	22	3	24	29	12	24	24	3	8	0	7	22	47
43	18	6	52	1	18	21	13	1	2	27	16	6	2	35
44	6	15	40	39	7	6	1	39	2	16	32	4	12	22
45	25	13	13	19	26	3	34	19	3	4	54	3	17	59
46	14	22	1	57	15	12	22	57	2	24	10	1	27	47
47	4	6	50	34	4	21	11	34	2	13	25	0	7	35
48	22	4	23	14	22	18	44	14	3	1	48	11	13	11
49	11	13	11	52	12	3	32	52	2	21	3	9	22	59
1850	0	22	0	29	1	12	21	29	2	10	19	8	2	47

Year.	Mean New Moon in March. Astron. Time. Long. Greenwich.				Mean New Moon in March. Civil Time. Long. Jerusalem.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
	Days	h.	m.	s.	Days	h.	m.	s.	s.	°	′	s.	°	′
1850	0	22	0	29	1	12	21	29	2	10	19	8	2	47
51	19	19	33	10	20	9	54	10	2	28	42	7	8	24
52	8	4	21	48	8	18	42	48	2	17	57	5	18	11
53	27	1	54	28	27	16	15	28	3	6	20	4	23	48
54	16	10	43	6	17	1	4	6	2	25	35	3	3	36
55	5	19	31	43	6	9	52	43	2	14	51	1	13	24
56	23	17	4	23	24	7	25	23	3	3	13	0	19	0
57	13	1	53	1	13	16	14	1	2	22	29	10	28	48
58	2	10	41	33	3	1	2	33	2	11	45	9	8	36
59	21	8	14	18	21	22	35	18	3	0	7	8	14	13
1860	9	17	2	56	10	7	23	56	2	19	23	6	24	0
61	28	14	35	36	29	4	56	36	3	7	45	5	29	37
62	17	23	24	14	18	13	45	14	2	27	0	4	9	25
63	7	8	12	51	7	22	33	51	2	16	17	2	19	12
64	25	5	45	32	25	20	6	32	3	4	39	1	24	49
65	14	14	34	10	15	4	55	10	2	23	55	0	4	37
66	3	23	22	47	4	13	43	47	2	13	11	10	14	25
67	22	20	55	27	23	11	16	27	3	1	33	9	20	1
68	11	5	44	5	11	20	5	5	2	20	49	7	29	49
69	0	14	32	42	1	4	53	42	2	10	5	6	9	37
1870	19	12	5	22	20	2	26	22	2	28	27	5	15	14
71	8	20	54	0	9	11	15	0	2	17	43	3	25	1
72	26	18	26	40	27	8	47	40	3	6	5	3	0	33
73	16	3	15	18	16	17	36	18	2	25	21	1	10	26
74	5	12	3	55	6	2	24	55	2	14	37	11	20	14
75	24	9	36	35	24	23	57	35	3	2	59	10	25	50
76	12	18	25	13	13	8	46	13	2	22	15	9	5	38
77	2	3	13	50	2	17	34	50	2	11	31	7	15	26
78	21	0	46	30	21	15	7	30	2	29	53	6	21	2
79	10	9	35	7	10	23	56	7	2	19	9	5	0	50
1880	28	7	7	48	28	21	28	48	3	7	31	4	6	27
81	17	15	56	26	18	6	17	26	2	26	47	2	16	15
82	7	0	45	3	7	15	6	3	2	16	3	0	26	2
83	25	22	17	43	26	12	33	43	3	4	25	0	1	39
84	14	7	6	22	14	21	27	22	2	23	41	10	11	27
85	3	15	54	59	4	6	15	59	2	12	57	8	21	15
86	22	13	27	39	23	3	48	39	3	1	19	7	26	51
87	11	22	16	17	12	12	37	17	2	20	35	6	6	39
88	0	7	4	54	0	21	25	54	2	9	50	4	16	27
89	19	4	37	35	19	18	58	35	2	28	13	3	22	4
1890	8	13	26	13	9	3	47	13	2	17	28	2	1	51
91	27	10	58	53	28	1	19	53	3	5	51	1	7	28
92	15	19	47	31	16	10	8	31	2	25	7	11	17	16
93	5	4	36	8	5	18	57	8	2	14	22	9	27	4
94	24	2	8	48	24	16	29	48	3	2	45	9	2	40
95	13	10	57	26	14	1	18	26	2	22	0	7	12	28
96	1	19	46	4	2	10	7	4	2	11	16	5	22	16
97	20	17	18	44	21	7	39	44	2	29	33	4	27	52
98	10	2	7	22	10	16	28	22	2	18	54	3	7	40
99	28	23	40	2	29	14	1	2	3	7	16	2	13	17
1900	17	8	28	39	17	22	49	39	2	26	32	0	23	5

NEW STYLE.

Year.	Mean New Moon in March. Astron. Time. Long. Greenwich.				Mean New Moon in March, Civil Time. Long. Jerusalem.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
	Days	h	m.	s.	Days	h.	m.	s.	s	°	′	s	°	′
1800	25	0	16	25	25	14	37	25	2	23	13	4	8	18
1	14	9	5	2	14	23	26	2	2	12	29	2	18	6
2	3	17	53	39	4	8	14	39	2	1	44	0	27	54
3	22	15	26	20	23	5	47	20	2	20	7	0	3	30
4	11	0	14	57	11	14	35	57	2	9	22	10	13	18
5	0	9	3	34	0	23	24	34	1	28	38	8	23	6
6	19	6	36	15	19	20	57	15	2	17	0	7	28	43
7	8	15	24	52	9	5	45	52	2	6	16	6	8	30
8	26	12	57	33	27	3	18	33	2	24	38	5	14	7
9	15	21	46	10	16	12	7	10	2	13	54	3	23	55
1810	5	6	34	47	5	20	55	47	2	3	10	2	3	42
11	24	4	7	28	24	18	28	23	2	21	32	1	9	19
12	12	12	56	5	13	3	17	5	2	10	48	11	19	7
13	1	21	44	42	2	12	5	42	2	0	4	9	23	55
14	20	19	17	23	21	9	38	23	2	18	26	9	4	31
15	10	4	6	0	10	18	27	0	2	7	42	7	14	19
16	28	1	38	41	28	15	59	41	2	26	4	6	19	56
17	17	10	27	18	18	0	48	18	2	15	20	4	29	44
18	6	19	15	56	7	9	36	56	2	4	36	3	9	31
19	25	16	48	37	26	7	9	37	2	22	58	2	15	8
1820	14	1	37	14	14	15	58	14	2	12	14	0	24	56
21	3	10	25	51	4	0	46	51	2	1	30	11	4	44
22	22	7	58	32	22	22	19	32	2	19	52	10	10	20
23	11	16	47	9	12	7	8	9	2	9	8	8	20	8
24	0	1	35	47	0	15	56	47	1	28	24	6	29	56
25	18	23	8	27	19	13	29	27	2	16	46	6	5	32
26	8	7	57	4	8	22	18	4	2	6	2	4	15	20
27	27	5	29	45	27	19	50	45	2	24	24	3	20	57
28	15	14	18	22	16	4	39	22	2	13	40	2	0	45
29	4	23	6	59	5	13	27	59	2	2	56	0	10	32
1830	23	20	39	41	24	11	0	41	2	21	18	11	16	9
31	13	5	28	18	13	19	49	18	2	10	34	9	25	57
32	1	14	16	55	2	4	37	55	1	29	50	8	5	45
33	20	11	49	36	21	2	10	36	2	18	12	7	11	21
34	9	20	38	13	10	10	59	13	2	7	28	5	21	9
35	28	18	10	54	29	8	31	54	2	25	50	4	26	46
36	17	2	59	31	17	17	20	31	2	15	6	3	6	34
37	6	11	48	8	7	2	9	8	2	4	22	1	16	21
38	25	9	20	49	25	23	41	49	2	22	44	0	21	58
39	14	18	9	26	15	8	30	26	2	12	0	11	1	46
1840	3	2	58	3	3	17	19	3	2	1	15	9	11	34
41	22	0	30	44	22	14	51	44	2	19	33	8	17	10
42	11	9	19	21	11	23	40	21	2	8	54	6	26	58
43	0	18	7	58	1	8	28	58	1	28	9	5	6	46
44	18	15	40	39	19	6	1	39	2	16	32	4	12	22
45	8	0	29	16	8	14	50	16	2	5	47	2	22	10
46	26	22	1	57	27	12	22	57	2	24	10	1	27	47
47	16	6	50	34	16	21	11	34	2	13	25	0	7	35
48	4	15	39	11	5	6	0	11	2	2	41	10	17	22
49	23	13	11	52	24	3	32	52	2	21	3	9	22	59
1850	12	22	0	29	13	12	21	29	2	10	19	8	2	47

Year.	Mean New Moon in March. Astron. Time. Long. Greenwich.				Mean New Moon in March. Civil Time. Long. Jerusalem.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
	Days	h.	m.	s.	Days	h.	m.	s.	s	°	′	s	°	′
1850	12	22	0	29	13	12	21	29	2	10	19	8	2	47
51	2	6	49	7	2	21	10	7	1	29	35	6	12	35
52	20	4	21	48	20	18	42	48	2	17	57	5	18	11
53	9	13	10	25	10	3	31	25	2	7	13	3	27	59
54	28	10	43	6	29	1	4	6	2	25	35	3	3	36
55	17	19	31	43	18	9	52	43	2	14	51	1	13	24
56	6	4	20	20	6	18	41	20	2	4	7	11	23	11
57	25	1	53	1	25	16	14	1	2	22	29	10	28	48
58	14	10	41	38	15	1	2	38	2	11	45	9	8	36
59	3	19	30	15	4	9	51	15	2	1	1	7	18	24
1860	21	17	2	56	22	7	23	56	2	19	23	6	24	0
61	11	1	51	33	11	16	12	33	2	8	39	5	3	48
62	0	10	40	11	1	1	1	11	1	27	55	3	13	36
63	19	8	12	51	19	22	33	51	2	16	17	2	19	12
64	7	17	1	29	8	7	22	29	2	5	33	0	29	0
65	26	14	34	10	27	4	55	10	2	23	55	0	4	37
66	15	23	22	47	16	13	43	47	2	13	11	10	14	25
67	5	8	11	24	5	22	32	24	2	2	27	8	24	12
68	23	5	44	5	23	20	5	5	2	20	49	7	29	49
69	12	14	32	42	13	4	53	42	2	10	5	6	9	37
1870	1	23	21	19	2	13	42	19	1	29	21	4	19	25
71	20	20	54	0	21	11	15	0	2	17	43	3	25	1
72	9	5	42	37	9	20	3	37	2	6	59	2	4	49
73	28	3	15	18	28	17	36	18	2	25	21	1	10	26
74	17	12	3	55	18	2	24	55	2	14	37	11	20	14
75	6	20	52	32	7	11	13	32	2	3	53	10	0	1
76	24	18	25	13	25	8	46	13	2	22	15	9	5	38
77	14	3	13	50	14	17	34	50	2	11	31	7	15	26
78	3	12	2	27	4	2	23	27	2	0	47	5	25	14
79	22	9	35	7	22	23	56	7	2	19	9	5	0	50
1880	10	18	23	45	11	8	44	45	2	8	25	3	10	33
81	0	3	12	23	0	17	33	23	1	27	41	1	20	26
82	19	0	45	8	19	15	6	8	2	16	3	0	26	2
83	8	9	33	40	8	23	54	40	2	5	19	11	5	50
84	26	7	6	22	26	21	27	22	2	23	41	10	11	27
85	15	15	54	59	16	6	15	59	2	12	57	8	21	15
86	5	0	43	36	5	15	4	36	2	2	12	7	1	2
87	23	22	16	17	24	12	37	17	2	20	35	6	6	39
88	12	7	4	54	12	21	25	54	2	9	50	4	16	27
89	1	15	53	32	2	6	14	32	1	29	6	2	26	15
1890	20	13	26	13	21	3	47	13	2	17	29	2	1	51
91	9	22	14	50	10	12	35	50	2	6	44	0	11	39
92	27	19	47	31	28	10	8	31	2	25	7	11	17	16
93	17	4	36	8	17	18	57	8	2	14	22	9	27	4
94	6	13	24	45	7	3	45	45	2	3	38	8	6	51
95	25	10	57	27	26	1	18	27	2	22	0	7	12	28
96	13	19	46	4	14	10	7	4	2	11	16	5	22	16
97	3	4	34	41	3	18	55	41	2	0	32	4	2	3
98	22	2	7	22	22	16	28	22	2	18	54	3	7	40
99	11	10	55	59	12	1	16	59	2	8	10	1	17	23
1900	0	19	44	36	1	10	5	36	1	27	26	11	27	16

FIRST MEAN NEW MOON WITH MEAN ANOMALIES OF THE SUN AND MOON, FOR SIXTY CENTURIES.

Lunations.	Julian Years.	First New Moon.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
		Days	h.	m.	s.	S.	°	′	S.	°	′
1237	100	4	8	12	14	0	3	20	8	14	47
2174	200	8	16	24	29	0	6	40	4	29	33
3711	300	13	0	36	43	0	9	59	1	14	20
4948	400	17	8	48	58	0	13	19	9	29	6
6185	500	21	17	1	12	0	16	39	6	13	53
7422	600	26	1	13	26	0	19	59	2	28	40
8658	700	0	20	41	38	11	24	12	10	17	37
9895	800	5	4	53	52	11	27	32	7	2	24
11,132	900	9	13	6	6	0	0	52	3	17	10
12,369	1000	13	21	18	21	0	4	12	0	1	57
13,606	1100	18	5	30	35	0	7	31	8	16	44
14,843	1200	22	13	42	50	0	10	51	5	1	30
16,080	1300	26	21	55	4	0	14	11	1	16	17
17,316	1400	1	17	23	15	11	18	24	9	5	15
18,553	1500	6	1	35	30	11	21	44	5	20	1
19,790	1600	10	9	47	44	11	25	4	2	4	48
21,027	1700	14	17	59	58	11	28	24	10	19	34
22,264	1800	19	2	12	13	0	1	44	7	4	21
23,501	1900	23	10	24	27	0	5	3	3	19	8
24,738	2000	27	18	36	41	0	8	23	0	3	54
25,974	2100	2	14	4	53	11	12	37	7	22	52
27,211	2200	6	22	17	7	11	15	56	4	7	38
28,448	2300	11	6	29	22	11	19	16	0	22	25
29,685	2400	15	14	41	36	11	22	36	9	7	12
30,922	2500	19	22	53	50	11	25	56	5	21	58
32,159	2600	24	7	6	5	11	29	16	2	6	45
33,396	2700	28	15	18	19	0	2	35	10	21	31
34,632	2800	3	10	46	30	11	6	49	6	10	29
35,869	2900	7	18	58	45	11	10	9	2	25	16
37,106	3000	12	3	10	59	11	13	28	11	10	2
38,343	3100	16	11	23	13	11	16	48	7	24	49
39,580	3200	20	19	35	28	11	20	8	4	9	35
40,817	3300	25	3	47	42	11	23	28	0	24	22
42,054	3400	29	11	59	57	11	26	48	9	9	9
43,290	3500	4	7	28	8	11	1	1	4	28	6
44,527	3600	8	15	40	22	11	4	21	1	12	53
45,764	3700	12	23	52	37	11	7	41	9	27	40
47,001	3800	17	8	4	51	11	11	0	6	12	26
48,238	3900	21	16	17	5	11	14	20	2	27	13
49,475	4000	26	0	29	20	11	17	40	11	11	59
50,711	4100	0	19	57	31	10	21	53	7	0	57
51,948	4200	5	4	9	45	10	25	13	3	15	44
53,185	4300	9	12	22	0	10	28	33	0	0	30
54,422	4400	13	20	34	14	11	1	53	8	15	17
55,659	4500	18	4	46	29	11	5	13	5	0	3
56,896	4600	22	12	58	43	11	8	32	1	14	50
58,133	4700	26	21	10	57	11	11	52	9	29	37
59,369	4800	1	16	39	9	10	16	6	5	18	34
60,606	4900	6	0	51	23	10	19	25	2	3	21
61,843	5000	10	9	3	37	10	22	45	10	18	7
63,080	5100	14	17	15	52	10	26	5	7	2	54
64,317	5200	19	1	28	6	10	29	25	3	17	41
65,554	5300	23	9	40	21	11	2	45	0	2	27
66,791	5400	27	17	52	35	11	6	4	8	17	14
68,027	5500	2	13	20	46	10	10	18	4	6	12
69,264	5600	6	21	33	1	10	13	38	0	20	58
70,501	5700	11	5	45	15	10	16	58	9	5	45
71,738	5800	15	13	57	29	10	20	17	5	20	31
72.975	5900	19	22	9	44	10	23	37	2	5	18
74.212	6000	24	6	21	58	10	26	57	10	20	5

No.	Mean Lunations.				Sun's Mean Anomaly.			Moon's Mean Anomaly.		
	Days	h.	m.	s.	S.	°	′	S.	°	′
1	29	12	44	3	0	29	6	0	25	49
2	59	1	28	6	1	28	13	1	21	38
3	88	14	12	9	2	27	19	2	17	27
4	118	2	56	12	3	26	25	3	13	16
5	147	15	40	16	4	25	32	4	9	5
6	177	4	24	19	5	24	38	5	4	54
7	206	17	8	22	6	23	44	6	0	43
8	236	5	52	25	7	22	51	6	26	32
9	265	18	36	28	8	21	57	7	22	21
10	295	7	20	31	9	21	3	8	18	10
11	324	20	4	34	10	20	10	9	13	59
12	354	8	48	37	11	19	16	10	9	48
13	383	21	32	41	0	18	22	11	5	37
½	14	18	22	2	0	14	33	6	12	54

On the basis of the preceding Values and Tables the new moons for 3555 years, from B.C. 1622 to A.D. 1934 have been calculated, and also the full moons of all lunar eclipses from B.C. 1207 to A.D. 1934.

As a specimen of the calculation of the new moons, and of the full moons of lunar eclipses for a single year, the following for the year 1794 will show how the true moons have been obtained from the mean by simply twice equating for solar and lunar anomaly. The moon's mean anomaly has been used, and *not the equated anomaly*, as the error in using the mean anomaly is very small, and the saving of labour, in calculating such extensive tables, considerable. The eclipses in the margin are from Oppolzer's *Canon*, and were inserted in this way in the tables throughout, from B.C. 1207 to A.D. 1934, for purposes of comparison and verification. The *full moons* in the table are indicated by a small circle prefixed to their month dates.

Year and Month.	Mean New Moon. (○ Full Ecl.)	Sun's Mean Anomaly.	Moon's Mean Anomaly.	First Equation.	Second Equation.	True New Moon. (○ Full Ecl.)	Eclipses from Oppolzer's *Canon.*
1794	*d. h. m.*	*s.* ° ′	*s.* ° ′	*h. m.*	*h. m.*	*d. h. m.*	
Jan. . .	20 6 50	1 1 12	10 26 16	+5 5	+2 14	20 14 9	*20 13 57
○	*4 1 12*	1 15 45	5 9 11	−8 44	+3 4	*4 0 32*	○4 0 44
Feb. . .	18 19 34	2 0 18	11 22 5	+1 15	+3 42	19 0 31	*19 0 23
Mar. . .	20 8 18	2 29 25	0 17 53	−2 47	+4 12	20 9 43	
April .	18 21 2	3 28 31	1 13 42	−6 24	+3 39	18 18 17	
May . .	18 9 46	4 27 38	2 9 31	−8 57	+2 12	18 3 1	
June . .	16 22 30	5 26 44	3 5 20	−9 51	+0 14	16 12 53	
July . .	16 11 14	6 25 50	4 1 9	−8 44	−1 48	16 0 42	*16 0 32
○	*31 5 36*	7 10 23	10 14 4	+6 40	−2 40	*31 9 36*	○31 9 51
Aug. . .	14 23 58	7 24 57	4 26 58	−5 42	−3 24	14 14 52	*14 14 48
Sept. . .	13 12 42	8 24 3	5 22 47	−1 19	−4 10	13 7 13	
Oct. . .	13 1 26	9 23 9	6 18 36	+3 22	−3 54	13 0 54	
Nov. . .	11 14 10	10 22 16	7 14 25	+7 15	−2 37	11 18 48	
Dec. . .	11 2 54	11 21 22	8 10 14	+9 29	−0 33	11 11 45	

CORRESPONDENCE OF DATES IN THE TABLES WITH THOSE IN OPPOLZER'S "CANON."

As fairly illustrating the correspondence of the Tables in this volume with the eclipses in Oppolzer's *Canon der Finsternisse*, the following extract presents the first solar eclipse in each century, for 3,000 years, as given in Oppolzer's *Canon*, and the corresponding True New Moon of the Tables. As the latter are only twice equated, and calculated on somewhat different data from the new moons of Oppolzer's eclipses, they ought to differ from them; but *the mean difference is found to be less than an hour.* The accuracy of the Tables is thus sufficient for all ordinary historical and chronological purposes.

THE FIRST SOLAR ECLIPSE IN EACH CENTURY, FOR 3,000 YEARS;*

FROM B.C. 1100 TO A.D. 1900.

STATED IN JERUSALEM CIVIL TIME.

Year.	Oppolzer's *Canon, Sol. Ecl.*				Tables, True New Moon.				Differences.
		d.	*h.*	*m.*		*d.*	*h.*	*m.*	
B.C.									
1100	JAN.	25	0	50	JAN.	25	0	30	−20m.
1000	MAR.	29	14	8	MAR.	29	14	33	+25m.
900	MAY	2	0	5	MAY	2	2	29	+2h. 24m.
800	JUNE	4	8	11	JUNE	4	9	22	+1h. 11m.
700	FEB.	11	14	15	FEB.	11	14	29	+14m.
600	MAR.	17	0	56	MAR.	17	2	38	+1h. 42m.
500	APRIL	19	11	0	APRIL	19	11	24	+24m.
400	JUNE	21	20	5	JUNE	21	18	56	−1h.9m.
300	JAN.	29	22	51	JAN.	30	0	12	+1h. 21m.
200	MAR.	4	12	6	MAR.	4	11	56	−10m.
100	MAY	6	23	39	MAY	6	22	15	−1h. 24m.
A.D.									
1	JUNE	10	6	12	JUNE	10	4	39	−1h. 33m.
100	FEB.	27	22	0	FEB.	27	22	45	+45m.
200	APRIL	1	12	6	APRIL	1	11	27	−39m.
300	MAY	5	16	35	MAY	5	15	2	−1h. 33m.
400	JAN.	12	18	22	JAN.	12	18	57	+35m.
500	FEB.	15	11	54	FEB.	15	11	2	−52m.
600	MAR.	20	18	41	MAR.	20	17	20	−1h. 21m.
700	MAY	23	9	4	MAY	23	7	46	−1h. 18m.
800	JUNE	26	2	44	JUNE	26	3	1	+17m.
900	MAR.	4	3	43	MAR.	4	2	24	−1h. 19m.
1000	APRIL	7	11	11	APRIL	7	10	14	−57m.
1100	MAY	11	4	35	MAY	11	4	37	+2m.
1200	JAN.	18	1	57	JAN.	18	0	55	−1h. 2m.
1300	FEB.	21	10	42	FEB.	21	10	8	−34m.
1400	MAR.	26	4	46	MAR.	26	4	40	−6m.
1500	MAY	28	2	15	MAY	28	2	12	−3m.
1600	JAN.	6	7	27	JAN.	6	7	16	−11m.
1700	FEB.	9	1	55	FEB.	9	1	52	−3m.
1800	APRIL	12	2	53	APRIL	12	2	36	−17m.
1900	MAY	15	17	11	MAY	15	17	24	+13m.
					Mean difference				−10m.

* Accurately 3000 − 1 = 2999 years.

FIRST EQUATION FOR THE TIMES OF NEW AND FULL MOON.

Galloway. Enc. Brit.

ARGUMENT—MOON'S MEAN ANOMALY.

°	0s			Is			IIs			IIIs			IVs			Vs			°
	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	
0	0	0	0	4	34	26	8	10	3	9	48	59	8	50	0	5	14	24	30
1		9	28		42	54		15	32		49	42		45	11	5	5	2	29
2		18	56		51	18		20	52		50	14		40	10	4	55	34	28
3		28	24		59	38		26	5		50	35		34	59		45	59	27
4		37	52	5	7	54		31	9		50	45		29	36		36	18	26
5		47	19		16	4		36	6		50	44		24	5		26	31	25
6	0	56	45		24	10		40	53		50	33		18	23		16	38	24
7	1	6	10		32	12		45	32	9	50	10		12	30	4	6	40	23
8		15	35		40	9		50	2		49	36		6	27	3	56	3	22
9		24	59		48	1		54	24		48	51	8	0	14		46	27	21
10		34	21		55	48	8	58	36		47	55	7	53	50		36	13	20
11		43	42	6	3	29	9	2	40		46	48		47	17		25	54	19
12	1	53	2		11	5		6	34		45	29		40	35		15	31	18
13	2	2	20		18	36		10	20		43	59		33	42	3	5	3	17
14		11	37		26	1		13	55		42	18		26	40	2	54	31	16
15		20	51		33	20		17	22		40	26		19	28		43	56	15
16		30	4		40	33		20	38		38	22		12	7		33	16	14
17		39	15		47	40		23	46		36	8	7	4	37		22	34	13
18		48	23		54	41		26	43		33	42	6	56	58		11	48	12
19	2	57	29	7	1	36		29	30		31	4		49	11	2	0	59	11
20	3	6	33		8	24		32	8		28	16		41	14	1	50	8	10
21		15	34		15	6		34	36		25	16		33	9		39	14	9
22		24	33		21	41		36	53		22	5		24	55		28	18	8
23		33	28		28	9		39	0		18	44		16	33		17	20	7
24		42	21		34	30		40	57		15	10	6	8	3	1	6	20	6
25		51	10		40	44		42	44		11	26	5	59	26	0	55	19	5
26	3	59	56		46	52		44	20		7	31		50	39		44	17	4
27	4	8	39		52	50		45	46	9	3	25		41	47		33	13	3
28		17	18		58	42		47	1	8	59	8		32	46		22	9	2
29		25	54	8	4	26		48	5		54	39		23	38		11	5	1
30	4	34	26	8	10	3	9	48	59	8	50	0	5	14	24	0	0	0	0
°	+ XI			+ X			+ IX			+ VIII			+ VII			+ VI			°

SECOND EQUATION FOR THE TIME OF NEW AND FULL MOON.

ARGUMENT—SUN'S MEAN ANOMALY.

°	0 +			I +			II +			III +			IV +			V +			°
	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	h.	m.	s.	
0	0	0	0	2	8	89	3	40	48	4	11	50	3	35	30	2	3	21	30
1		4	30		12	30		42	54		11	41		33	13	1	59	35	29
2		9	1		16	17		44	56		11	28		30	52		55	47	28
3		13	31		20	3		46	54		11	10		28	28		51	56	27
4		18	1		23	45		48	48		10	48		26	0		48	4	26
5		22	30		27	25		50	37		10	20		23	29		44	10	25
6		26	59		31	1		52	22		9	49		20	53		40	14	24
7		31	28		34	35		54	3		9	13		18	15		36	17	23
8		35	55		38	6		55	39		8	32		15	33		32	17	22
9		40	23		41	34		57	11		7	47		12	47		28	16	21
10		44	49		44	59	3	58	38		6	58		9	58		24	14	20
11		49	15		48	20	4	0	1		6	4		7	6		20	10	19
12		53	39		51	38		1	20		5	6		4	11		16	5	18
13	0	58	3		54	53		2	33		4	3	3	1	12		11	59	17
14	1	2	25	2	58	5		3	43		2	56	2	58	11		7	51	16
15		6	46	3	1	13		4	48		1	44		55	6	1	3	42	15
16		11	6		4	18		5	48	4	0	28*		51	58	0	59	32	14
17		15	24		7	19		6	44	3	59	8		48	47		55	22	13
18		19	41		10	16		7	35		57	44		45	33		51	10	12
19		23	56		13	10		8	21		56	15		42	16		46	57	11
20		28	10		16	0		9	3		54	42		38	57		42	43	10
21		32	22		18	46		9	41		53	5		35	35		38	29	9
22		36	32		21	29		10	14		51	24		32	10		34	14	8
23		40	41		24	8		10	42		49	38		28	42		29	59	7
24		44	47		26	43		11	5		47	49		25	12		25	43	6
25		48	51		29	14		11	24		45	56		21	40		21	27	5
26		52	53		31	40		11	39		43	58		18	5		17	9	4
27	1	56	53		34	3		11	48		41	57		14	27		12	52	3
28	2	0	51		36	22		11	53		39	52		10	47		8	35	2
29		4	46		38	37		11	54		37	43		7	5		4	18	1
30	2	8	39	3	40	48	4	11	50	3	35	30	2	3	21	0	0	0	0
°		XI			X			IX			VIII			VII			VI		°

* Printed 3–0–28 in Encyclop. Brit.

To find the mean and true new moons for past or future centuries from those of the present century given in the foregoing tables, it is only necessary to apply the century corrections, and take out the equations, as shown in the following calculation of the mean and true moons of March. 1744:—

	Mean New Moon.	Sun's Anomaly.	Moon's Anomaly.
	d h m s	s ° ′	s ° ′
March, 1844	7 6 1 39	2 16 32	4 12 22
100 Years	4 8 12 14	0 3 20	8 14 47
	2. 21. 49. 25	2 13 12	7 27 35
1st Equation	+ 8 38		
2nd Equation	+ 4 3		
True New Moon Mar., 1744	3. 10. 30. 25.		

To find the subsequent mean and true new moons for any particular year from those of the initial month of March, add the quantities given in the appropriate Table (Table of 13 lunations) to those of March, and take out the equations for the sun's and moon's anomaly. Example, to find the mean and true new moons for April, 1744:—

	Mean New Moon.	Sun's Anomaly.	Moon's Anomaly.
	d h m s	s ° ′	s ′
Mar., 1744	2 21 49 25	2 13 12	7 27 35
1 Lunation	29 12 44 3	0 29 6	0 25 49
April,	1. 10. 33. 28.	3. 12. 18.	8. 23. 24
1st Equation	+ 9 50		
2nd Equation	+ 4 5		
True New Moon April, 1744	2. 0. 28.		

Dominical Letter. A.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 S	1 W	1 W	1 Sa	1 M	1 Th	1 Sa	1 Tu	1 F	1 S	1 W	1 F
2 M	2 Th	2 Th	2 S	2 Tu	2 F	2 S	2 W	2 Sa	2 M	2 Th	2 Sa
3 Tu	3 F	3 F	3 M	3 W	3 Sa	3 M	3 Th	3 S	3 Tu	3 F	3 S
4 W	4 Sa	4 Sa	4 Tu	4 Th	4 S	4 Tu	4 F	4 M	4 W	4 Sa	4 M
5 Th	5 S	5 S	5 W	5 F	5 M	5 W	5 Sa	5 Tu	5 Th	5 S	5 Tu
6 F	6 M	6 M	6 Th	6 Sa	6 Tu	6 Th	6 S	6 W	6 F	6 M	6 W
7 Sa	7 Tu	7 Tu	7 F	7 S	7 W	7 F	7 M	7 Th	7 Sa	7 Tu	7 Th
8 S	8 W	8 W	8 Sa	8 M	8 Th	8 Sa	8 Tu	8 F	8 S	8 W	8 F
9 M	9 Th	9 Th	9 S	9 Tu	9 F	9 S	9 W	9 Sa	9 M	9 Th	9 Sa
10 Tu	10 F	10 F	10 M	10 W	10 Sa	10 M	10 Th	10 S	10 Tu	10 F	10 S
11 W	11 Sa	11 Sa	11 Tu	11 Th	11 S	11 Tu	11 F	11 M	11 W	11 Sa	11 M
12 Th	12 S	12 S	12 W	12 F	12 M	12 W	12 Sa	12 Tu	12 Th	12 S	12 Tu
13 F	13 M	13 M	13 Th	13 Sa	13 Tu	13 Th	13 S	13 W	13 F	13 M	13 W
14 Sa	14 Tu	14 Tu	14 F	14 S	14 W	14 F	14 M	14 Th	14 Sa	14 Tu	14 Th
15 S	15 W	15 W	15 Sa	15 M	15 Th	15 Sa	15 Tu	15 F	15 S	15 W	15 F
16 M	16 Th	16 Th	16 S	16 Tu	16 F	16 S	16 W	16 Sa	16 M	16 Th	16 Sa
17 Tu	17 F	17 F	17 M	17 W	17 Sa	17 M	17 Th	17 S	17 Tu	17 F	17 S
18 W	18 Sa	18 Sa	18 Tu	18 Th	18 S	18 Tu	18 F	18 M	18 W	18 Sa	18 M
19 Th	19 S	19 S	19 W	19 F	19 M	19 W	19 Sa	19 Tu	19 Th	19 S	19 Tu
20 F	20 M	20 M	20 Th	20 Sa	20 Tu	20 Th	20 S	20 W	20 F	20 M	20 W
21 Sa	21 Tu	21 Tu	21 F	21 S	21 W	21 F	21 M	21 Th	21 Sa	21 Tu	21 Th
22 S	22 W	22 W	22 Sa	22 M	22 Th	22 Sa	22 Tu	22 F	22 S	22 W	22 F
23 M	23 Th	23 Th	23 S	23 Tu	23 F	23 S	23 W	23 Sa	23 M	23 Th	23 Sa
24 Tu	24 F	24 F	24 M	24 W	24 Sa	24 M	24 Th	24 S	24 Tu	24 F	24 S
25 W	25 Sa	25 Sa	25 Tu	25 Th	25 S	25 Tu	25 F	25 M	25 W	25 Sa	25 M
26 Th	26 S	26 S	26 W	26 F	26 M	26 W	26 Sa	26 Tu	26 Th	26 S	26 Tu
27 F	27 M	27 M	27 Th	27 Sa	27 Tu	27 Th	27 S	27 W	27 F	27 M	27 W
28 Sa	28 Tu	28 Tu	28 F	28 S	28 W	28 F	28 M	28 Th	28 Sa	28 Tu	28 Th
29 S		29 W	29 Sa	29 M	29 Th	29 Sa	29 Tu	29 F	29 S	29 W	29 F
30 M		30 Th	30 S	30 Tu	30 F	30 S	30 W	30 Sa	30 M	30 Th	30 Sa
31 Tu		31 F		31 W		31 M	31 Th		31 Tu		31 S

Dominical Letter. B.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Sa	1 Tu	1 Tu	1 F	1 S	1 W	1 F	1 M	1 Th	1 Sa	1 Tu	1 Th
2 S	2 W	2 W	2 Sa	2 M	2 Th	2 Sa	2 Tu	2 F	2 S	2 W	2 F
3 M	3 Th	3 Th	3 S	3 Tu	3 F	3 S	3 W	3 Sa	3 M	3 Th	3 Sa
4 Tu	4 F	4 F	4 M	4 W	4 Sa	4 M	4 Th	4 S	4 Tu	4 F	4 S
5 W	5 Sa	5 Sa	5 Tu	5 Th	5 S	5 Tu	5 F	5 M	5 W	5 Sa	5 M
6 Th	6 S	6 S	6 W	6 F	6 M	6 W	6 Sa	6 Tu	6 Th	6 S	6 Tu
7 F	7 M	7 M	7 Th	7 Sa	7 Tu	7 Th	7 S	7 W	7 F	7 M	7 W
8 Sa	8 Tu	8 Tu	8 F	8 S	8 W	8 F	8 M	8 Th	8 Sa	8 Tu	8 Th
9 S	9 W	9 W	9 Sa	9 M	9 Th	9 Sa	9 Tu	9 F	9 S	9 W	9 F
10 M	10 Th	10 Th	10 S	10 Tu	10 F	10 S	10 W	10 Sa	10 M	10 Th	10 Sa
11 Tu	11 F	11 F	11 M	11 W	11 Sa	11 M	11 Th	11 S	11 Tu	11 F	11 S
12 W	12 Sa	12 Sa	12 Tu	12 Th	12 S	12 Tu	12 F	12 M	12 W	12 Sa	12 M
13 Th	13 S	13 S	13 W	13 F	13 M	13 W	13 Sa	13 Tu	13 Th	13 S	13 Tu
14 F	14 M	14 M	14 Th	14 Sa	14 Tu	14 Th	14 S	14 W	14 F	14 M	14 W
15 Sa	15 Tu	15 Tu	15 F	15 S	15 W	15 F	15 M	15 Th	15 Sa	15 Tu	15 Th
16 S	16 W	16 W	16 Sa	16 M	16 Th	16 Sa	16 Tu	16 F	16 S	16 W	16 F
17 M	17 Th	17 Th	17 S	17 Tu	17 F	17 S	17 W	17 Sa	17 M	17 Th	17 Sa
18 Tu	18 F	18 F	18 M	18 W	18 Sa	18 M	18 Th	18 S	18 Tu	18 F	18 S
19 W	19 Sa	19 Sa	19 Tu	19 Th	19 S	19 Tu	19 F	19 M	19 W	19 Sa	19 M
20 Th	20 S	20 S	20 W	20 F	20 M	20 W	20 Sa	20 Tu	20 Th	20 S	20 Tu
21 F	21 M	21 M	21 Th	21 Sa	21 Tu	21 Th	21 S	21 W	21 F	21 M	21 W
22 Sa	22 Tu	22 Tu	22 F	22 S	22 W	22 F	22 M	22 Th	22 Sa	22 Tu	22 Th
23 S	23 W	23 W	23 Sa	23 M	23 Th	23 Sa	23 Tu	23 F	23 S	23 W	23 F
24 M	24 Th	24 Th	24 S	24 Tu	24 F	24 S	24 W	24 Sa	24 M	24 Th	24 Sa
25 Tu	25 F	25 F	25 M	25 W	25 Sa	25 M	25 Th	25 S	25 Tu	25 F	25 S
26 W	26 Sa	26 Sa	26 Tu	26 Th	26 S	26 Tu	26 F	26 M	26 W	26 Sa	26 M
27 Th	27 S	27 S	27 W	27 F	27 M	27 W	27 Sa	27 Tu	27 Th	27 S	27 Tu
28 F	28 M	28 M	28 Th	28 Sa	28 Tu	28 Th	28 S	28 W	28 F	28 M	28 W
29 Sa		29 Tu	29 F	29 S	29 W	29 F	29 M	29 Th	29 Sa	29 Tu	29 Th
30 S		30 W	30 Sa	30 M	30 Th	30 Sa	30 Tu	30 F	30 S	30 W	30 F
31 M		31 Th		31 Tu		31 S	31 W		31 M		31 Sa

Dominical Letter. C.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 F	1 M	1 M	1 Th	1 Sa	1 Tu	1 Th	1 S	1 W	1 F	1 M	1 W
2 Sa	2 Tu	2 Tu	2 F	2 S	2 W	2 F	2 M	2 Th	2 Sa	2 Tu	2 Th
3 S	3 W	3 W	3 Sa	3 M	3 Th	3 Sa	3 Tu	3 F	3 S	3 W	3 F
4 M	4 Th	4 Th	4 S	4 Tu	4 F	4 S	4 W	4 Sa	4 M	4 Th	4 Sa
5 Tu	5 F	5 F	5 M	5 W	5 Sa	5 M	5 Th	5 S	5 Tu	5 F	5 S
6 W	6 Sa	6 Sa	6 Tu	6 Th	6 S	6 Tu	6 F	6 M	6 W	6 Sa	6 M
7 Th	7 S	7 S	7 W	7 F	7 M	7 W	7 Sa	7 Tu	7 Th	7 S	7 Tu
8 F	8 M	8 M	8 Th	8 Sa	8 Tu	8 Th	8 S	8 W	8 F	8 M	8 W
9 Sa	9 Tu	9 Tu	9 F	9 S	9 W	9 F	9 M	9 Th	9 Sa	9 Tu	9 Th
10 S	10 W	10 W	10 Sa	10 M	10 Th	10 Sa	10 Tu	10 F	10 S	10 W	10 F
11 M	11 Th	11 Th	11 S	11 Tu	11 F	11 S	11 W	11 Sa	11 M	11 Th	11 Sa
12 Tu	12 F	12 F	12 M	12 W	12 Sa	12 M	12 Th	12 S	12 Tu	12 F	12 S
13 W	13 Sa	13 Sa	13 Tu	13 Th	13 S	13 Tu	13 F	13 M	13 W	13 Sa	13 M
14 Th	14 S	14 S	14 W	14 F	14 M	14 W	14 Sa	14 Tu	14 Th	14 S	14 Tu
15 F	15 M	15 M	15 Th	15 Sa	15 Tu	15 Th	15 S	15 W	15 F	15 M	15 W
16 Sa	16 Tu	16 Tu	16 F	16 S	16 W	16 F	16 M	16 Th	16 Sa	16 Tu	16 Th
17 S	17 W	17 W	17 Sa	17 M	17 Th	17 Sa	17 Tu	17 F	17 S	17 W	17 F
18 M	18 Th	18 Th	18 S	18 Tu	18 F	18 S	18 W	18 Sa	18 M	18 Th	18 Sa
19 Tu	19 F	19 F	19 M	19 W	19 Sa	19 M	19 Th	19 S	19 Tu	19 F	19 S
20 W	20 Sa	20 Sa	20 Tu	20 Th	20 S	20 Tu	20 F	20 M	20 W	20 Sa	20 M
21 Th	21 S	21 S	21 W	21 F	21 M	21 W	21 Sa	21 Tu	21 Th	21 S	21 Tu
22 F	22 M	22 M	22 Th	22 Sa	22 Tu	22 Th	22 S	22 W	22 F	22 M	22 W
23 Sa	23 Tu	23 Tu	23 F	23 S	23 W	23 F	23 M	23 Th	23 Sa	23 Tu	23 Th
24 S	24 W	24 W	24 Sa	24 M	24 Th	24 Sa	24 Tu	24 F	24 S	24 W	24 F
25 M	25 Th	25 Th	25 S	25 Tu	25 F	25 S	25 W	25 Sa	25 M	25 Th	25 Sa
26 Tu	26 F	26 F	26 M	26 W	26 Sa	26 M	26 Th	26 S	26 Tu	26 F	26 S
27 W	27 Sa	27 Sa	27 Tu	27 Th	27 S	27 Tu	27 F	27 M	27 W	27 Sa	27 M
28 Th	28 S	28 S	28 W	28 F	28 M	28 W	28 Sa	28 Tu	28 Th	28 S	28 Tu
29 F		29 M	29 Th	29 Sa	29 Tu	29 Th	29 S	29 W	29 F	29 M	29 W
30 Sa		30 Tu	30 F	30 S	30 W	30 F	30 M	30 Th	30 Sa	30 Tu	30 Th
31 S		31 W		31 M		31 Sa	31 Tu		31 S		31 F

Dominical Letter. D.

Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
1	Th	1	S	1	S	1	W	1	F	1	M	1	W	1	Sa	1	Tu	1	Th	1	S	1	Tu
2	F	2	M	2	M	2	Th	2	Sa	2	Tu	2	Th	2	S	2	W	2	F	2	M	2	W
3	Sa	3	Tu	3	Tu	3	F	3	S	3	W	3	F	3	M	3	Th	3	Sa	3	Tu	3	Th
4	S	4	W	4	W	4	Sa	4	M	4	Th	4	Sa	4	Tu	4	F	4	S	4	W	4	F
5	M	5	Th	5	Th	5	S	5	Tu	5	F	5	S	5	W	5	Sa	5	M	5	Th	5	Sa
6	Tu	6	F	6	F	6	M	6	W	6	Sa	6	M	6	Th	6	S	6	Tu	6	F	6	S
7	W	7	Sa	7	Sa	7	Tu	7	Th	7	S	7	Tu	7	F	7	M	7	W	7	Sa	7	M
8	Th	8	S	8	S	8	W	8	F	8	M	8	W	8	Sa	8	Tu	8	Th	8	S	8	Tu
9	F	9	M	9	M	9	Th	9	Sa	9	Tu	9	Th	9	S	9	W	9	F	9	M	9	W
10	Sa	10	Tu	10	Tu	10	F	10	S	10	W	10	F	10	M	10	Th	10	Sa	10	Tu	10	Th
11	S	11	W	11	W	11	Sa	11	M	11	Th	11	Sa	11	Tu	11	F	11	S	11	W	11	F
12	M	12	Th	12	Th	12	S	12	Tu	12	F	12	S	12	W	12	Sa	12	M	12	Th	12	Sa
13	Tu	13	F	13	F	13	M	13	W	13	Sa	13	M	13	Th	13	S	13	Tu	13	F	13	S
14	W	14	Sa	14	Sa	14	Tu	14	Th	14	S	14	Tu	14	F	14	M	14	W	14	Sa	14	M
15	Th	15	S	15	S	15	W	15	F	15	M	15	W	15	Sa	15	Tu	15	Th	15	S	15	Tu
16	F	16	M	16	M	16	Th	16	Sa	16	Tu	16	Th	16	S	16	W	16	F	16	M	16	W
17	Sa	17	Tu	17	Tu	17	F	17	S	17	W	17	F	17	M	17	Th	17	Sa	17	Tu	17	Th
18	S	18	W	18	W	18	Sa	18	M	18	Th	18	Sa	18	Tu	18	F	18	S	18	W	18	F
19	M	19	Th	19	Th	19	S	19	Tu	19	F	19	S	19	W	19	Sa	19	M	19	Th	19	Sa
20	Tu	20	F	20	F	20	M	20	W	20	Sa	20	M	20	Th	20	S	20	Tu	20	F	20	S
21	W	21	S	21	Sa	21	Tu	21	Th	21	S	21	Tu	21	F	21	M	21	W	21	Sa	21	M
22	Th	22	S	22	S	22	W	22	F	22	M	22	W	22	Sa	22	Tu	22	Th	22	S	22	Tu
23	F	23	M	23	M	23	Th	23	Sa	23	Tu	23	Th	23	S	23	W	23	F	23	M	23	W
24	Sa	24	Tu	24	Tu	24	F	24	S	24	W	24	F	24	M	24	Th	24	Sa	24	Tu	24	Th
25	S	25	W	25	W	25	Sa	25	M	25	Th	25	Sa	25	Tu	25	F	25	S	25	W	25	F
26	M	26	Th	26	Th	26	S	26	Tu	26	F	26	S	26	W	26	Sa	26	M	26	Th	26	Sa
27	Tu	27	F	27	F	27	M	27	W	27	Sa	27	M	27	Th	27	S	27	Tu	27	F	27	S
28	W	28	Sa	28	Sa	28	Tu	28	Th	28	S	28	Tu	28	F	28	M	28	W	28	Sa	28	M
29	Th			29	S	29	W	29	F	29	M	29	W	29	Sa	29	Tu	29	Th	29	S	29	Tu
30	F			30	M	30	Th	30	Sa	30	Tu	30	Th	30	S	30	W	30	F	30	M	30	W
31	Sa			31	Tu			31	S			31	F	31	M			31	Sa			31	Th

Dominical Letter. E.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 W	1 Sa	1 Sa	1 Tu	1 Th	1 S	1 Tu	1 F	1 M	1 W	1 Sa	1 M
2 Th	2 S	2 S	2 W	2 F	2 M	2 W	2 Sa	2 Tu	2 Th	2 S	2 Tu
3 F	3 M	3 M	3 Th	3 Sa	3 Tu	3 Th	3 S	3 W	3 F	3 M	3 W
4 Sa	4 Tu	4 Tu	4 F	4 S	4 W	4 F	4 M	4 Th	4 Sa	4 Tu	4 Th
5 S	5 W	5 W	5 Sa	5 M	5 Th	5 Sa	5 Tu	5 F	5 S	5 W	5 F
6 M	6 Th	6 Th	6 S	6 Tu	6 F	6 S	6 W	6 Sa	6 M	6 Th	6 Sa
7 Tu	7 F	7 F	7 M	7 W	7 Sa	7 M	7 Th	7 S	7 Tu	7 F	7 S
8 W	8 Sa	8 Sa	8 Tu	8 Th	8 S	8 Tu	8 F	8 M	8 W	8 Sa	8 M
9 Th	9 S	9 S	9 W	9 F	9 M	9 W	9 Sa	9 Tu	9 Th	9 S	9 Tu
10 F	10 M	10 M	10 Th	10 Sa	10 Tu	10 Th	10 S	10 W	10 F	10 M	10 W
11 Sa	11 Tu	11 Tu	11 F	11 S	11 W	11 F	11 M	11 Th	11 Sa	11 Tu	11 Th
12 S	12 W	12 W	12 Sa	12 M	12 Th	12 Sa	12 Tu	12 F	12 S	12 W	12 F
13 M	13 Th	13 Th	13 S	13 Tu	13 F	13 S	13 W	13 Sa	13 M	13 Th	13 Sa
14 Tu	14 F	14 F	14 M	14 W	14 Sa	14 M	14 Th	14 S	14 Tu	14 F	14 S
15 W	15 Sa	15 Sa	15 Tu	15 Th	15 S	15 Tu	15 F	15 M	15 W	15 Sa	15 M
16 Th	16 S	16 S	16 W	16 F	16 M	16 W	16 Sa	16 Tu	16 Th	16 S	16 Tu
17 F	17 M	17 M	17 Th	17 Sa	17 Tu	17 Th	17 S	17 W	17 F	17 M	17 W
18 Sa	18 Tu	18 Tu	18 F	18 S	18 W	18 F	18 M	18 Th	18 Sa	18 Tu	18 Th
19 S	19 W	19 W	19 Sa	19 M	19 Th	19 Sa	19 Tu	19 F	19 S	19 W	19 F
20 M	20 Th	20 Th	20 S	20 Tu	20 F	20 S	20 W	20 Sa	20 M	20 Th	20 Sa
21 Tu	21 F	21 F	21 M	21 W	21 Sa	21 M	21 Th	21 S	21 Tu	21 F	21 S
22 W	22 Sa	22 Sa	22 Tu	22 Th	22 S	22 Tu	22 F	22 M	22 W	22 Sa	22 M
23 Th	23 S	23 S	23 W	23 F	23 M	23 W	23 Sa	23 Tu	23 Th	23 S	23 Tu
24 F	24 M	24 M	24 Th	24 Sa	24 Tu	24 Th	24 S	24 W	24 F	24 M	24 W
25 Sa	25 Tu	25 Tu	25 F	25 S	25 W	25 F	25 M	25 Th	25 Sa	25 Tu	25 Th
26 S	26 W	26 W	26 Sa	26 M	26 Th	26 Sa	26 Tu	26 F	26 S	26 W	26 F
27 M	27 Th	27 Th	27 S	27 Tu	27 F	27 S	27 W	27 Sa	27 M	27 Th	27 Sa
28 Tu	28 F	28 F	28 M	28 W	28 Sa	28 M	28 Th	28 S	28 Tu	28 F	28 S
29 W		29 Sa	29 Tu	29 Th	29 S	29 Tu	29 F	29 M	29 W	29 Sa	29 M
30 Th		30 S	30 W	30 F	30 M	30 W	30 Sa	30 Tu	30 Th	30 S	30 Tu
31 F		31 M		31 Sa		31 Th	31 S		31 F		31 W

Dominical Letter. F.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.
1 Tu	1 F	1 F	1 M	1 W	1 Sa	1 M	1 Th	1 S	1 Tu	1 F	1 S
2 W	2 Sa	2 Sa	2 Tu	2 Th	2 S	2 Tu	2 F	2 M	2 W	2 Sa	2 M
3 Th	3 S	3 S	3 W	3 F	3 M	3 W	3 Sa	3 Tu	3 Th	3 S	3 Tu
4 F	4 M	4 M	4 Th	4 Sa	4 Tu	4 Th	4 S	4 W	4 F	4 M	4 W
5 Sa	5 Tu	5 Tu	5 F	5 S	5 W	5 F	5 M	5 Th	5 Sa	5 Tu	5 Th
6 S	6 W	6 W	6 Sa	6 M	6 Th	6 Sa	6 Tu	6 F	6 S	6 W	6 F
7 M	7 Th	7 Th	7 S	7 Tu	7 F	7 S	7 W	7 Sa	7 M	7 Th	7 Sa
8 Tu	8 F	8 F	8 M	8 W	8 Sa	8 M	8 Th	8 S	8 Tu	8 F	8 S
9 W	9 Sa	9 Sa	9 Tu	9 Th	9 S	9 Tu	9 F	9 M	9 W	9 Sa	9 M
10 Th	10 S	10 S	10 W	10 F	10 M	10 W	10 Sa	10 Tu	10 Th	10 S	10 Tu
11 F	11 M	11 M	11 Th	11 Sa	11 Tu	11 Th	11 S	11 W	11 F	11 M	11 W
12 Sa	12 Tu	12 Tu	12 F	12 S	12 W	12 F	12 M	12 Th	12 Sa	12 Tu	12 Th
13 S	13 W	13 W	13 Sa	13 M	13 Th	13 Sa	13 Tu	13 F	13 S	13 W	13 F
14 M	14 Th	14 Th	14 S	14 Tu	14 F	14 S	14 W	14 Sa	14 M	14 Th	14 Sa
15 Tu	15 F	15 F	15 M	15 W	15 Sa	15 M	15 Th	15 S	15 Tu	15 F	15 S
16 W	16 Sa	16 Sa	16 Tu	16 Th	16 S	16 Tu	16 F	16 M	16 W	16 Sa	16 M
17 Th	17 S	17 S	17 W	17 F	17 M	17 W	17 Sa	17 Tu	17 Th	17 S	17 Tu
18 F	18 M	18 M	18 Th	18 Sa	18 Tu	18 Th	18 S	18 W	18 F	18 M	18 W
19 Sa	19 Tu	19 Tu	19 F	19 S	19 W	19 F	19 M	19 Th	19 Sa	19 Tu	19 Th
20 S	20 W	20 W	20 Sa	20 M	20 Th	20 Sa	20 Tu	20 F	20 S	20 W	20 F
21 M	21 Th	21 Th	21 S	21 Tu	21 F	21 S	21 W	21 Sa	21 M	21 Th	21 Sa
22 Tu	22 F	22 F	22 M	22 W	22 Sa	22 M	22 Th	22 S	22 Tu	22 F	22 S
23 W	23 Sa	23 Sa	23 Tu	23 Th	23 S	23 Tu	23 F	23 M	23 W	23 Sa	23 M
24 Th	24 S	24 S	24 W	24 F	24 M	24 W	24 Sa	24 Tu	24 Th	24 S	24 Tu
25 F	25 M	25 M	25 Th	25 Sa	25 Tu	25 Th	25 S	25 W	25 F	25 M	25 W
26 Sa	26 Tu	26 Tu	26 F	26 S	26 W	26 F	26 M	26 Th	26 Sa	26 Tu	26 Th
27 S	27 W	27 W	27 Sa	27 M	27 Th	27 Sa	27 Tu	27 F	27 S	27 W	27 F
28 M	28 Th	28 Th	28 S	28 Tu	28 F	28 S	28 W	28 Sa	28 M	28 Th	28 Sa
29 Tu		29 F	29 M	29 W	29 Sa	29 M	29 Th	29 S	29 Tu	29 F	29 S
30 W		30 Sa	30 Tu	30 Th	30 S	30 Tu	30 F	30 M	30 W	30 Sa	30 M
31 Th		31 S		31 F		31 W	31 Sa		31 Th		31 Tu

Dominical Letter. G.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 M	1 Th	1 Th	1 S	1 Tu	1 F	1 S	1 W	1 Sa	1 M	1 Th	1 Sa
2 Tu	2 F	2 F	2 M	2 W	2 Sa	2 M	2 Th	2 S	2 Tu	2 F	2 S
3 W	3 Sa	3 Sa	3 Tu	3 Th	3 S	3 Tu	3 F	3 M	3 W	3 Sa	3 M
4 Th	4 S	4 S	4 W	4 F	4 M	4 W	4 Sa	4 Tu	4 Th	4 S	4 Tu
5 F	5 M	5 M	5 Th	5 Sa	5 Tu	5 Th	5 S	5 W	5 F	5 M	5 W
6 Sa	6 Tu	6 Tu	6 F	6 S	6 W	6 F	6 M	6 Th	6 Sa	6 Tu	6 Th
7 S	7 W	7 W	7 Sa	7 M	7 Th	7 Sa	7 Tu	7 F	7 S	7 W	7 F
8 M	8 Th	8 Th	8 S	8 Tu	8 F	8 S	8 W	8 Sa	8 M	8 Th	8 Sa
9 Tu	9 F	9 F	9 M	9 W	9 Sa	9 M	9 Th	9 S	9 Tu	9 F	9 S
10 W	10 Sa	10 Sa	10 Tu	10 Th	10 S	10 Tu	10 F	10 M	10 W	10 Sa	10 M
11 Th	11 S	11 S	11 W	11 F	11 M	11 W	11 Sa	11 Tu	11 Th	11 S	11 Tu
12 F	12 M	12 M	12 Th	12 Sa	12 Tu	12 Th	12 S	12 W	12 F	12 M	12 W
13 Sa	13 Tu	13 Tu	13 F	13 S	13 W	13 F	13 M	13 Th	13 Sa	13 Tu	13 Th
14 S	14 W	14 W	14 Sa	14 M	14 Th	14 Sa	14 Tu	14 F	14 S	14 W	14 F
15 M	15 Th	15 Th	15 S	15 Tu	15 F	15 S	15 W	15 Sa	15 M	15 Th	15 Sa
16 Tu	16 F	16 F	16 M	16 W	16 Sa	16 M	16 Th	16 S	16 Tu	16 F	16 S
17 W	17 Sa	17 Sa	17 Tu	17 Th	17 S	17 Tu	17 F	17 M	17 W	17 Sa	17 M
18 Th	18 S	18 S	18 W	18 F	18 M	18 W	18 Sa	18 Tu	18 Th	18 S	18 Tu
19 F	19 M	19 M	19 Th	19 Sa	19 Tu	19 Th	19 S	19 W	19 F	19 M	19 W
20 Sa	20 Tu	20 Tu	20 F	20 S	20 W	20 F	20 M	20 Th	20 Sa	20 Tu	20 Th
21 S	21 W	21 W	21 Sa	21 M	21 Th	21 Sa	21 Tu	21 F	21 S	21 W	21 F
22 M	22 Th	22 Th	22 S	22 Tu	22 F	22 S	22 W	22 Sa	22 M	22 Th	22 Sa
23 Tu	23 F	23 F	23 M	23 W	23 Sa	23 M	23 Th	23 S	23 Tu	23 F	23 S
24 W	24 Sa	24 Sa	24 Tu	24 Th	24 S	24 Tu	24 F	24 M	24 W	24 Sa	24 M
25 Th	25 S	25 S	25 W	25 F	25 M	25 W	25 Sa	25 Tu	25 Th	25 S	25 Tu
26 F	26 M	26 M	26 Th	26 Sa	26 Tu	26 Th	26 S	26 W	26 F	26 M	26 W
27 Sa	27 Tu	27 Tu	27 F	27 S	27 W	27 F	27 M	27 Th	27 Sa	27 Tu	27 Th
28 S	28 W	28 W	28 Sa	28 M	28 Th	28 Sa	28 Tu	28 F	28 S	28 W	28 F
29 M		29 Th	29 S	29 Tu	29 F	29 S	29 W	29 Sa	29 M	29 Th	29 Sa
30 Tu		30 F	30 M	30 W	30 Sa	30 M	30 Th	30 S	30 Tu	30 F	30 S
31 W		31 Sa		31 Th		31 Tu	31 F		31 W		31 M

Bissextile Year.—Dominical Letters. A. G.

Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
1	S	1	W	1	Th	1	S	1	Tu	1	F	1	S	1	W	1	Sa	1	M	1	Th	1	Sa
2	M	2	Th	2	F	2	M	2	W	2	Sa	2	M	2	Th	2	S	2	Tu	2	F	2	S
3	Tu	3	F	3	Sa	3	Tu	3	Th	3	S	3	Tu	3	F	3	M	3	W	3	Sa	3	M
4	W	4	Sa	4	S	4	W	4	F	4	M	4	W	4	Sa	4	Tu	4	Th	4	S	4	Tu
5	Th	5	S	5	M	5	Th	5	Sa	5	Tu	5	Th	5	S	5	W	5	F	5	M	5	W
6	F	6	M	6	Tu	6	F	6	S	6	W	6	F	6	M	6	Th	6	Sa	6	Tu	6	Th
7	Sa	7	Tu	7	W	7	Sa	7	M	7	Th	7	Sa	7	Tu	7	F	7	S	7	W	7	F
8	S	8	W	8	Th	8	S	8	Tu	8	F	8	S	8	W	8	Sa	8	M	8	Th	8	Sa
9	M	9	Th	9	F	9	M	9	W	9	Sa	9	M	9	Th	9	S	9	Tu	9	F	9	S
10	Tu	10	F	10	Sa	10	Tu	10	Th	10	S	10	Tu	10	F	10	M	10	W	10	Sa	10	M
11	W	11	Sa	11	S	11	W	11	F	11	M	11	W	11	Sa	11	Tu	11	Th	11	S	11	Tu
12	Th	12	S	12	M	12	Th	12	Sa	12	Tu	12	Th	12	S	12	W	12	F	12	M	12	W
13	F	13	M	13	Tu	13	F	13	S	13	W	13	F	13	M	13	Th	13	Sa	13	Tu	13	Th
14	Sa	14	Tu	14	W	14	Sa	14	M	14	Th	14	Sa	14	Tu	14	F	14	S	14	W	14	F
15	S	15	W	15	Th	15	S	15	Tu	15	F	15	S	15	W	15	Sa	15	M	15	Th	15	Sa
16	M	16	Th	16	F	16	M	16	W	16	Sa	16	M	16	Th	16	S	16	Tu	16	F	16	S
17	Tu	17	F	17	Sa	17	Tu	17	Th	17	S	17	Tu	17	F	17	M	17	W	17	Sa	17	M
18	W	18	Sa	18	S	18	W	18	F	18	M	18	W	18	Sa	18	Tu	18	Th	18	S	18	Tu
19	Th	19	S	19	M	19	Th	19	Sa	19	Tu	19	Th	19	S	19	W	19	F	19	M	19	W
20	F	20	M	20	Tu	20	F	20	S	20	W	20	F	20	M	20	Th	20	Sa	20	Tu	20	Th
21	Sa	21	Tu	21	W	21	Sa	21	M	21	Th	21	Sa	21	Tu	21	F	21	S	21	W	21	F
22	S	22	W	22	Th	22	S	22	Tu	22	F	22	S	22	W	22	Sa	22	M	22	Th	22	Sa
23	M	23	Th	23	F	23	M	23	W	23	Sa	23	M	23	Th	23	S	23	Tu	23	F	23	S
24	Tu	24	F	24	Sa	24	Tu	24	Th	24	S	24	Tu	24	F	24	M	24	W	24	Sa	24	M
25	W	25	Sa	25	S	25	W	25	F	25	M	25	W	25	Sa	25	Tu	25	Th	25	S	25	Tu
26	Th	26	S	26	M	26	Th	26	Sa	26	Tu	26	Th	26	S	26	W	26	F	26	M	26	W
27	F	27	M	27	Tu	27	F	27	S	27	W	27	F	27	M	27	Th	27	Sa	27	Tu	27	Th
28	Sa	28	Tu	28	W	28	Sa	28	M	28	Th	28	Sa	28	Tu	28	F	28	S	28	W	28	F
29	S	29	W	29	Th	29	S	29	Tu	29	F	29	S	29	W	29	Sa	29	M	29	Th	29	Sa
30	M			30	F	30	M	30	W	30	Sa	30	M	30	Th	30	S	30	Tu	30	F	30	S
31	Tu			31	Sa			31	Th			31	Tu	31	F			31	W			31	M

Bissextile Year —Dominical Letters. C. B.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 F	1 M	1 Tu	1 F	1 S	1 W	1 F	1 M	1 Th	1 Sa	1 Tu	1 Th
2 Sa	2 Tu	2 W	2 Sa	2 M	2 Th	2 Sa	2 Tu	2 F	2 S	2 W	2 F
3 S	3 W	3 Th	3 S	3 Tu	3 F	3 S	3 W	3 Sa	3 M	3 Th	3 Sa
4 M	4 Th	4 F	4 M	4 W	4 Sa	4 M	4 Th	4 S	4 Tu	4 F	4 S
5 Tu	5 F	5 Sa	5 Tu	5 Th	5 S	5 Tu	5 F	5 M	5 W	5 Sa	5 M
6 W	6 Sa	6 S	6 W	6 F	6 M	6 W	6 Sa	6 Tu	6 Th	6 S	6 Tu
7 Th	7 S	7 M	7 Th	7 Sa	7 Tu	7 Th	7 S	7 W	7 F	7 M	7 W
8 F	8 M	8 Tu	8 F	8 S	8 W	8 F	8 M	8 Th	8 Sa	8 Tu	8 Th
9 Sa	9 Tu	9 W	9 Sa	9 M	9 Th	9 Sa	9 Tu	9 F	9 S	9 W	9 F
10 S	10 W	10 Th	10 S	10 Tu	10 F	10 S	10 W	10 Sa	10 M	10 Th	10 Sa
11 M	11 Th	11 F	11 M	11 W	11 Sa	11 M	11 Th	11 S	11 Tu	11 F	11 S
12 Tu	12 F	12 Sa	12 Tu	12 Th	12 S	12 Tu	12 F	12 M	12 W	12 Sa	12 M
13 W	13 Sa	13 S	13 W	13 F	13 M	13 W	13 Sa	13 Tu	13 Th	13 S	13 Tu
14 Th	14 S	14 M	14 Th	14 Sa	14 Tu	14 Th	14 S	14 W	14 F	14 M	14 W
15 F	15 M	15 Tu	15 F	15 S	15 W	15 F	15 M	15 Th	15 Sa	15 Tu	15 Th
16 Sa	16 Tu	16 W	16 Sa	16 M	16 Th	16 Sa	16 Tu	16 F	16 S	16 W	16 F
17 S	17 W	17 Th	17 S	17 Tu	17 F	17 S	17 W	17 Sa	17 M	17 Th	17 Sa
18 M	18 Th	18 F	18 M	18 W	18 Sa	18 M	18 Th	18 S	18 Tu	18 F	18 S
19 Tu	19 F	19 Sa	19 Tu	19 Th	19 S	19 Tu	19 F	19 M	19 W	19 Sa	19 M
20 W	20 Sa	20 S	20 W	20 F	20 M	20 W	20 Sa	20 Tu	20 Th	20 S	20 Tu
21 Th	21 S	21 M	21 Th	21 Sa	21 Tu	21 Th	21 S	21 W	21 F	21 M	21 W
22 F	22 M	22 Tu	22 F	22 S	22 W	22 F	22 M	22 Th	22 Sa	22 Tu	22 Th
23 Sa	23 Tu	23 W	23 Sa	23 M	23 Th	23 Sa	23 Tu	23 F	23 S	23 W	23 F
24 S	24 W	24 Th	24 S	24 Tu	24 F	24 S	24 W	24 Sa	24 M	24 Th	24 Sa
25 M	25 Th	25 F	25 M	25 W	25 Sa	25 M	25 Th	25 S	25 Tu	25 F	25 S
26 Tu	26 F	26 Sa	26 Tu	26 Th	26 S	26 Tu	26 F	26 M	26 W	26 Sa	26 M
27 W	27 Sa	27 S	27 W	27 F	27 M	27 W	27 Sa	27 Tu	27 Th	27 S	27 Tu
28 Th	28 S	28 M	28 Th	28 Sa	28 Tu	28 Th	28 S	28 W	28 F	28 M	28 W
29 F	29 M	29 Tu	29 F	29 S	29 W	29 F	29 M	29 Th	29 Sa	29 Tu	29 Th
30 Sa		30 W	30 Sa	30 M	30 Th	30 Sa	30 Tu	30 F	30 S	30 W	30 F
31 S		31 Th		31 Tu		31 S	31 W		31 M		31 Sa

Bissextile Year.—Dominical Letters. É. D.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 W	1 Sa	1 S	1 W	1 F	1 M	1 W	1 Sa	1 Tu	1 Th	1 S	1 Tu
2 Th	2 S	2 M	2 Th	2 Sa	2 Tu	2 Th	2 S	2 W	2 F	2 M	2 W
3 F	3 M	3 Tu	3 F	3 S	3 W	3 F	3 M	3 Th	3 Sa	3 Tu	3 Th
4 Sa	4 Tu	4 W	4 Sa	4 M	4 Th	4 Sa	4 Tu	4 F	4 S	4 W	4 F
5 S	5 W	5 Th	5 S	5 Tu	5 F	5 S	5 W	5 Sa	5 M	5 Th	5 Sa
6 M	6 Th	6 F	6 M	6 W	6 Sa	6 M	6 Th	6 S	6 Tu	6 F	6 S
7 Tu	7 F	7 Sa	7 Tu	7 Th	7 S	7 Tu	7 F	7 M	7 W	7 Sa	7 M
8 W	8 Sa	8 S	8 W	8 F	8 M	8 W	8 Sa	8 Tu	8 Th	8 S	8 Tu
9 Th	9 S	9 M	9 Th	9 Sa	9 Tu	9 Th	9 S	9 W	9 F	9 M	9 W
10 F	10 M	10 Tu	10 F	10 S	10 W	10 F	10 M	10 Th	10 Sa	10 Tu	10 Th
11 Sa	11 Tu	11 W	11 Sa	11 M	11 Th	11 Sa	11 Tu	11 F	11 S	11 W	11 F
12 S	12 W	12 Th	12 S	12 Tu	12 F	12 S	12 W	12 Sa	12 M	12 Th	12 Sa
13 M	13 Th	13 F	13 M	13 W	13 Sa	13 M	13 Th	13 S	13 Tu	13 F	13 S
14 Tu	14 F	14 Sa	14 Tu	14 Th	14 S	14 Tu	14 F	14 M	14 W	14 Sa	14 M
15 W	15 Sa	15 S	15 W	15 F	15 M	15 W	15 Sa	15 Tu	15 Th	15 S	15 Tu
16 Th	16 S	16 M	16 Th	16 Sa	16 Tu	16 Th	16 S	16 W	16 F	16 M	16 W
17 F	17 M	17 Tu	17 F	17 S	17 W	17 F	17 M	17 Th	17 Sa	17 Tu	17 Th
18 Sa	18 Tu	18 W	18 Sa	18 M	18 Th	18 Sa	18 Tu	18 F	18 S	18 W	18 F
19 S	19 W	19 Th	19 S	19 Tu	19 F	19 S	19 W	19 Sa	19 M	19 Th	19 Sa
20 M	20 Th	20 F	20 M	20 W	20 Sa	20 M	20 Th	20 S	20 Tu	20 F	20 S
21 Tu	21 F	21 Sa	21 Tu	21 Th	21 S	21 Tu	21 F	21 M	21 W	21 Sa	21 M
22 W	22 Sa	22 S	22 W	22 F	22 M	22 W	22 Sa	22 Tu	22 Th	22 S	22 Tu
23 Th	23 S	23 M	23 Th	23 Sa	23 Tu	23 Th	23 S	23 W	23 F	23 M	23 W
24 F	24 M	24 Tu	24 F	24 S	24 W	24 F	24 M	24 Th	24 Sa	24 Tu	24 Th
25 Sa	25 Tu	25 W	25 Sa	25 M	25 Th	25 Sa	25 Tu	25 F	25 S	25 W	25 F
26 S	26 W	26 Th	26 S	26 Tu	26 F	26 S	26 W	26 Sa	26 M	26 Th	26 Sa
27 M	27 Th	27 F	27 M	27 W	27 Sa	27 M	27 Th	27 S	27 Tu	27 F	27 S
28 Tu	28 F	28 Sa	28 Tu	28 Th	28 S	28 Tu	28 F	28 M	28 W	28 Sa	28 M
29 W	29 Sa	29 S	29 W	29 F	29 M	29 W	29 Sa	29 Tu	29 Th	29 S	29 Tu
30 Th		30 M	30 Th	30 Sa	30 Tu	30 Th	30 S	30 W	30 F	30 M	30 W
31 F		31 Tu		31 S		31 F	31 M		31 Sa		31 Th

Bissextile Year.—Dominical Letters. G. F.

Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
1	M	1	Th	1	F	1	M	1	W	1	Sa	1	M	1	Th	1	S	1	Tu	1	F	1	S
2	Tu	2	F	2	Sa	2	Tu	2	Th	2	S	2	Tu	2	F	2	M	2	W	2	Sa	2	M
3	W	3	Sa	3	S	3	W	3	F	3	M	3	W	3	Sa	3	Tu	3	Th	3	S	3	Tu
4	Th	4	S	4	M	4	Th	4	Sa	4	Tu	4	Th	4	S	4	W	4	F	4	M	4	W
5	F	5	M	5	Tu	5	F	5	S	5	W	5	F	5	M	5	Th	5	Sa	5	Tu	5	Th
6	Sa	6	Tu	6	W	6	Sa	6	M	6	Th	6	Sa	6	Tu	6	F	6	S	6	W	6	F
7	S	7	W	7	Th	7	S	7	Tu	7	F	7	S	7	W	7	Sa	7	M	7	Th	7	Sa
8	M	8	Th	8	F	8	M	8	W	8	Sa	8	M	8	Th	8	S	8	Tu	8	F	8	S
9	Tu	9	F	9	Sa	9	Tu	9	Th	9	S	9	Tu	9	F	9	M	9	W	9	Sa	9	M
10	W	10	Sa	10	S	10	W	10	F	10	M	10	W	10	Sa	10	Tu	10	Th	10	S	10	Tu
11	Th	11	S	11	M	11	Th	11	Sa	11	Tu	11	Th	11	S	11	W	11	F	11	M	11	W
12	F	12	M	12	Tu	12	F	12	S	12	W	12	F	12	M	12	Th	12	Sa	12	Tu	12	Th
13	Sa	13	Tu	13	W	13	Sa	13	M	13	Th	13	Sa	13	Tu	13	F	13	S	13	W	13	F
14	S	14	W	14	Th	14	S	14	Tu	14	F	14	S	14	W	14	Sa	14	M	14	Th	14	Sa
15	M	15	Th	15	F	15	M	15	W	15	Sa	15	M	15	Th	15	S	15	Tu	15	F	15	S
16	Tu	16	F	16	Sa	16	Tu	16	Th	16	S	16	Tu	16	F	16	M	16	W	16	Sa	16	M
17	W	17	Sa	17	S	17	W	17	F	17	M	17	W	17	Sa	17	Tu	17	Th	17	S	17	Tu
18	Th	18	S	18	M	18	Th	18	Sa	18	Tu	18	Th	18	S	18	W	18	F	18	M	18	W
19	F	19	M	19	Tu	19	F	19	S	19	W	19	F	19	M	19	Th	19	Sa	19	Tu	19	Th
20	Sa	20	Tu	20	W	20	Sa	20	M	20	Th	20	Sa	20	Tu	20	F	20	S	20	W	20	F
21	S	21	W	21	Th	21	S	21	Tu	21	F	21	S	21	W	21	Sa	21	M	21	Th	21	Sa
22	M	22	Th	22	F	22	M	22	W	22	Sa	22	M	22	Th	22	S	22	Tu	22	F	22	S
23	Tu	23	F	23	Sa	23	Tu	23	Th	23	S	23	Tu	23	F	23	M	23	W	23	Sa	23	M
24	W	24	Sa	24	S	24	W	24	F	24	M	24	W	24	Sa	24	Tu	24	Th	24	S	24	Tu
25	Th	25	S	25	M	25	Th	25	Sa	25	Tu	25	Th	25	S	25	W	25	F	25	M	25	W
26	F	26	M	26	Tu	26	F	26	S	26	W	26	F	26	M	26	Th	26	Sa	26	Tu	26	Th
27	Sa	27	Tu	27	W	27	Sa	27	M	27	Th	27	Sa	27	Tu	27	F	27	S	27	W	27	F
28	S	28	W	28	Th	28	S	28	Tu	28	F	28	S	28	W	28	Sa	28	M	28	Th	28	Sa
29	M	29	Th	29	F	29	M	29	W	29	Sa	29	M	29	Th	29	S	29	Tu	29	F	29	S
30	Tu			30	Sa	30	Tu	30	Th	30	S	30	Tu	30	F	30	M	30	W	30	Sa	30	M
31	W			31	S			31	F			31	W	31	Sa			31	Th			31	Tu

Bissextile Year.—Dominical Letters. B.A.

Jan.		Feb.		Mar.		April.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
1	Sa	1	Tu	1	W	1	Sa	1	M	1	Th	1	Sa	1	Tu	1	F	1	S	1	W	1	F
2	S	2	W	2	Th	2	S	2	Tu	2	F	2	S	2	W	2	Sa	2	M	2	Th	2	Sa
3	M	3	Th	3	F	3	M	3	W	3	Sa	3	M	3	Th	3	S	3	Tu	3	F	3	S
4	Tu	4	F	4	Sa	4	Tu	4	Th	4	S	4	Tu	4	F	4	M	4	W	4	Sa	4	M
5	W	5	Sa	5	S	5	W	5	F	5	M	5	W	5	Sa	5	Tu	5	Th	5	S	5	Tu
6	Th	6	S	6	M	6	Th	6	Sa	6	Tu	6	Th	6	S	6	W	6	F	6	M	6	W
7	F	7	M	7	Tu	7	F	7	S	7	W	7	F	7	M	7	Th	7	Sa	7	Tu	7	Th
8	Sa	8	Tu	8	W	8	Sa	8	M	8	Th	8	Sa	8	Tu	8	F	8	S	8	W	8	F
9	S	9	W	9	Th	9	S	9	Tu	9	F	9	S	9	W	9	Sa	9	M	9	Th	9	Sa
10	M	10	Th	10	F	10	M	10	W	10	Sa	10	M	10	Th	10	S	10	Tu	10	F	10	S
11	Tu	11	F	11	Sa	11	Tu	11	Th	11	S	11	Tu	11	F	11	M	11	W	11	Sa	11	M
12	W	12	Sa	12	S	12	W	12	F	12	M	12	W	12	Sa	12	Tu	12	Th	12	S	12	Tu
13	Th	13	S	13	M	13	Th	13	Sa	13	Tu	13	Th	13	S	13	W	13	F	13	M	13	W
14	F	14	M	14	Tu	14	F	14	S	14	W	14	F	14	M	14	Th	14	Sa	14	Tu	14	Th
15	Sa	15	Tu	15	W	15	Sa	15	M	15	Th	15	Sa	15	Tu	15	F	15	S	15	W	15	F
16	S	16	W	16	Th	16	S	16	Tu	16	F	16	S	16	W	16	Sa	16	M	16	Th	16	Sa
17	M	17	Th	17	F	17	M	17	W	17	Sa	17	M	17	Th	17	S	17	Tu	17	F	17	S
18	Tu	18	F	18	Sa	18	Tu	18	Th	18	S	18	Tu	18	F	18	M	18	W	18	Sa	18	M
19	W	19	Sa	19	S	19	W	19	F	19	M	19	W	19	Sa	19	Tu	19	Th	19	S	19	Tu
20	Th	20	S	20	M	20	Th	20	Sa	20	Tu	20	Th	20	S	20	W	20	F	20	M	20	W
21	F	21	M	21	Tu	21	F	21	S	21	W	21	F	21	M	21	Th	21	Sa	21	Tu	21	Th
22	Sa	22	Tu	22	W	22	Sa	22	M	22	Th	22	Sa	22	Tu	22	F	22	S	22	W	22	F
23	S	23	W	23	Th	23	S	23	Tu	23	F	23	S	23	W	23	Sa	23	M	23	Th	23	Sa
24	M	24	Th	24	F	24	M	24	W	24	Sa	24	M	24	Th	24	S	24	Tu	24	F	24	S
25	Tu	25	F	25	Sa	25	Tu	25	Th	25	S	25	Tu	25	F	25	M	25	W	25	Sa	25	M
26	W	26	Sa	26	S	26	W	26	F	26	M	26	W	26	Sa	26	Tu	26	Th	26	S	26	Tu
27	Th	27	S	27	M	27	Th	27	Sa	27	Tu	27	Th	27	S	27	W	27	F	27	M	27	W
28	F	28	M	28	Tu	28	F	28	S	28	W	28	F	28	M	28	Th	28	Sa	28	Tu	28	Th
29	Sa	29	Tu	29	W	29	Sa	29	M	29	Th	29	Sa	29	Tu	29	F	29	S	29	W	29	F
30	S			30	Th	30	S	30	Tu	30	F	30	S	30	W	30	Sa	30	M	30	Th	30	Sa
31	M			31	F			31	W			31	M	31	Th			31	Tu			31	S

Bissextile Year.—Dominical Letters. D.C.

Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Th	1 S	1 M	1 Th	1 Sa	1 Tu	1 Th	1 S	1 W	1 F	1 M	1 W
2 F	2 M	2 Tu	2 F	2 S	2 W	2 F	2 M	2 Th	2 Sa	2 Tu	2 Th
3 Sa	3 Tu	3 W	3 Sa	3 M	3 Th	3 Sa	3 Tu	3 F	3 S	3 W	3 F
4 S	4 W	4 Th	4 S	4 Tu	4 F	4 S	4 W	4 Sa	4 M	4 Th	4 Sa
5 M	5 Th	5 F	5 M	5 W	5 Sa	5 M	5 Th	5 S	5 Tu	5 F	5 S
6 Tu	6 F	6 Sa	6 Tu	6 Th	6 S	6 Tu	6 F	6 M	6 W	6 Sa	6 M
7 W	7 Sa	7 S	7 W	7 F	7 M	7 W	7 Sa	7 Tu	7 Th	7 S	7 Tu
8 Th	8 S	8 M	8 Th	8 Sa	8 Tu	8 Th	8 S	8 W	8 F	8 M	8 W
9 F	9 M	9 Tu	9 F	9 S	9 W	9 F	9 M	9 Th	9 Sa	9 Tu	9 Th
10 Sa	10 Tu	10 W	10 Sa	10 M	10 Th	10 Sa	10 Tu	10 F	10 S	10 W	10 F
11 S	11 W	11 Th	11 S	11 Tu	11 F	11 S	11 W	11 Sa	11 M	11 Th	11 Sa
12 M	12 Th	12 F	12 M	12 W	12 Sa	12 M	12 Th	12 S	12 Tu	12 F	12 S
13 Tu	13 F	13 Sa	13 Tu	13 Th	13 S	13 Tu	13 F	13 M	13 W	13 Sa	13 M
14 W	14 Sa	14 S	14 W	14 F	14 M	14 W	14 Sa	14 Tu	14 Th	14 S	14 Tu
15 Th	15 S	15 M	15 Th	15 Sa	15 Tu	15 Th	15 S	15 W	15 F	15 M	15 W
16 F	16 M	16 Tu	16 F	16 S	16 W	16 F	16 M	16 Th	16 Sa	16 Tu	16 Th
17 Sa	17 Tu	17 W	17 Sa	17 M	17 Th	17 Sa	17 Tu	17 F	17 S	17 W	17 F
18 S	18 W	18 Th	18 S	18 Tu	18 F	18 S	18 W	18 Sa	18 M	18 Th	18 Sa
19 M	19 Th	19 F	19 M	19 W	19 Sa	19 M	19 Th	19 S	19 Tu	19 F	19 S
20 Tu	20 F	20 Sa	20 Tu	20 Th	20 S	20 Tu	20 F	20 M	20 W	20 Sa	20 M
21 W	21 Sa	21 S	21 W	21 F	21 M	21 W	21 Sa	21 Tu	21 Th	21 S	21 Tu
22 Th	22 S	22 M	22 Th	22 Sa	22 Tu	22 Th	22 S	22 W	22 F	22 M	22 W
23 F	23 M	23 Tu	23 F	23 S	23 W	23 F	23 M	23 Th	23 Sa	23 Tu	23 Th
24 Sa	24 Tu	24 W	24 Sa	24 M	24 Th	24 Sa	24 Tu	24 F	24 S	24 W	24 F
25 S	25 W	25 Th	25 S	25 Tu	25 F	25 S	25 W	25 Sa	25 M	25 Th	25 Sa
26 M	26 Th	26 F	26 M	26 W	26 Sa	26 M	26 Th	26 S	26 Tu	26 F	26 S
27 Tu	27 F	27 Sa	27 Tu	27 Th	27 S	27 Tu	27 F	27 M	27 W	27 Sa	27 M
28 W	28 Sa	28 S	28 W	28 F	28 M	28 W	28 Sa	28 Tu	28 Th	28 S	28 Tu
29 Th	29 S	29 M	29 Th	29 Sa	29 Tu	29 Th	29 S	29 W	29 F	29 M	29 W
30 F		30 Tu	30 F	30 S	30 W	30 F	30 M	30 Th	30 Sa	30 Tu	30 Th
31 Sa		31 W		31 M		31 Sa	31 Tu		31 S		31 F

Bissextile Year.—Dominical Letters. F.E.

Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
1	Tu	1	F	1	Sa	1	Tu	1	Th	1	S	1	Tu	1	F	1	M	1	W	1	Sa	1	M
2	W	2	Sa	2	S	2	W	2	F	2	M	2	W	2	Sa	2	Tu	2	Th	2	S	2	Tu
3	Th	3	S	3	M	3	Th	3	Sa	3	Tu	3	Th	3	S	3	W	3	F	3	M	3	W
4	F	4	M	4	Tu	4	F	4	S	4	W	4	F	4	M	4	Th	4	Sa	4	Tu	4	Th
5	Sa	5	Tu	5	W	5	Sa	5	M	5	Th	5	Sa	5	Tu	5	F	5	S	5	W	5	F
6	S	6	W	6	Th	6	S	6	Tu	6	F	6	S	6	W	6	Sa	6	M	6	Th	6	Sa
7	M	7	Th	7	F	7	M	7	W	7	Sa	7	M	7	Th	7	S	7	Tu	7	F	7	S
8	Tu	8	F	8	Sa	8	Tu	8	Th	8	S	8	Tu	8	F	8	M	8	W	8	Sa	8	M
9	W	9	Sa	9	S	9	W	9	F	9	M	9	W	9	Sa	9	Tu	9	Th	9	S	9	Tu
10	Th	10	S	10	M	10	Th	10	Sa	10	Tu	10	Th	10	S	10	W	10	F	10	M	10	W
11	F	11	M	11	Tu	11	F	11	S	11	W	11	F	11	M	11	Th	11	Sa	11	Tu	11	Th
12	Sa	12	Tu	12	W	12	Sa	12	M	12	Th	12	Sa	12	Tu	12	F	12	S	12	W	12	F
13	S	13	W	13	Th	13	S	13	Tu	13	F	13	S	13	W	13	Sa	13	M	13	Th	13	Sa
14	M	14	Th	14	F	14	M	14	W	14	Sa	14	M	14	Th	14	S	14	Tu	14	F	14	S
15	Tu	15	F	15	Sa	15	Tu	15	Th	15	S	15	Tu	15	F	15	M	15	W	15	Sa	15	M
16	W	16	Sa	16	S	16	W	16	F	16	M	16	W	16	Sa	16	Tu	16	Th	16	S	16	Tu
17	Th	17	S	17	M	17	Th	17	Sa	17	Tu	17	Th	17	S	17	W	17	F	17	M	17	W
18	F	18	M	18	Tu	18	F	18	S	18	W	18	F	18	M	18	Th	18	Sa	18	Tu	18	Th
19	Sa	19	Tu	19	W	19	Sa	19	M	19	Th	19	Sa	19	Tu	19	F	19	S	19	W	19	F
20	S	20	W	20	Th	20	S	20	Tu	20	F	20	S	20	W	20	Sa	20	M	20	Th	20	Sa
21	M	21	Th	21	F	21	M	21	W	21	Sa	21	M	21	Th	21	S	21	Tu	21	F	21	S
22	Tu	22	F	22	Sa	22	Tu	22	Th	22	S	22	Tu	22	F	22	M	22	W	22	Sa	22	M
23	W	23	Sa	23	S	23	W	23	F	23	M	23	W	23	Sa	23	Tu	23	Th	23	S	23	Tu
24	Th	24	S	24	M	24	Th	24	Sa	24	Tu	24	Th	24	S	24	W	24	F	24	M	24	W
25	F	25	M	25	Tu	25	F	25	S	25	W	25	F	25	M	25	Th	25	Sa	25	Tu	25	Th
26	Sa	26	Tu	26	W	26	Sa	26	M	26	Th	26	Sa	26	Tu	26	F	26	S	26	W	26	F
27	S	27	W	27	Th	27	S	27	Tu	27	F	27	S	27	W	27	Sa	27	M	27	Th	27	Sa
28	M	28	Th	28	F	28	M	28	W	28	Sa	28	M	28	Th	28	S	28	Tu	28	F	28	S
29	Tu	29	F	29	Sa	29	Tu	29	Th	29	S	29	Tu	29	F	29	M	29	W	29	Sa	29	M
30	W			30	S	30	W	30	F	30	M	30	W	30	Sa	30	Tu	30	Th	30	S	30	Tu
31	Th			31	M			31	Sa			31	Th	31	S			31	F			31	W

DOMINICAL LETTER TABLES.

The Dominical letter of each year is stated in the Tables of Equinoxes and New Moons. To find the day of the week ascertain from these the Dominical letter for the year, and in the Dominical letter Tables, under that letter, the required day of the week will be found.

EXAMPLE.—On what day of the week did April 5, the day of the vernal equinox and also of the new moon, fall, in B.C. 1622? In the Tables of Equinoxes and New Moons the Dominical letter for B.C. 1622 is G. Under the letter G in the Dominical Letter Tables April 5 is Thursday.

The Dominical letters can be employed as a test of the correctness of the tables, care being taken when B.C. and A.D. dates are compared to subtract one year.

Example: 2,300 years end one day of the week lower than the day on which they begin.

2,300 years	B.C. 1622.	Dom.	letter	G.	Vernal	Eq.	Ap. 5.	Thursday.
	A.D. 679.	"	"	B.	"	"	Mar. 18.	Friday.
"	B.C. 1443.	"	"	G.	"	"	Ap. 8.	Tuesday.
	A.D. 858.	"	"	B.	"	"	Mar. 16.	Wednesday.
"	B.C. 1336.	"	"	F.	"	"	Ap. 2.	Tuesday.
	A.D. 965.	"	"	A.	"	"	Mar. 15.	Wednesday.
"	B.C. 1143.	"	"	C.	"	"	Ap. 1.	Thursday.
	A.D. 1158.	"	"	E.	"	"	Mar. 14.	Friday.
"	B.C. 772.	"	"	A.	"	"	Mar. 29.	Wednesday.
	A.D. 1529.	"	"	C.	"	"	Mar. 11.	Thursday.
"	B.C. 457.	"	"	G.F.	"	"	Mar. 26.	Tuesday.
	A.D. 1844.	"	"	B.A.	"	"	Mar. 8.	Wednesday.
"	B.C. 367.	"	"	F.	"	"	Mar. 26.	Tuesday.
	A.D. 1934.	"	"	A.	"	"	Mar. 8.	Wednesday.

VERIFICATION OF THE TABLES.

In the following Table, the 33 years Equinox cycle is employed to verify the vernal Equinoxes in this volume in a series of dates beginning B.C. 1622, and extending to A.D. 1910.

Explanation of the Cycle.

The Julian year of 365¼ days exceeds the Tropical year by 11 minutes 12 seconds. This fractional excess grows to 6 hours 9 minutes in 33 years. Instead of intercalating in the Calendar 1 day every 4 years, and 8 days in 32 years, it is more correct therefore to shift the 8th intercalation from the 32nd to the 33rd year. This is to drop the six hours' error of the Julian reckoning in that period. The error of the 33 years Equinox cycle is less than 9 minutes.

The regularity of the nearly 9 minutes differences in the Equinoxes (at intervals of 33 years) is conspicuous throughout the following Table. The number of days elapsed from the initial date of the Table is stated, as the accuracy of the Equinox cycle seems to warrant it, and the statement may prove serviceable in chronological calculations.

The 33 Years Equinox Cycle.

No.	B.C.	Month.	d.	h.	m.	Days.	No.	A.D.	Month.	d.	h.	m.	Days.
	1622	April	5	5	32		50	29	March	22	22	16	*602,650*
1	1589	"	4	5	23	12,053	51	62	"	22	22	7	614,708
2	1556	"	4	5	14	24,106	52	95	"	22	21	59	626,756
3	1523	"	4	5	6	36,159	53	128	"	21	21	50	638,809
4	1490	"	4	4	57	48,212	54	161	"	21	21	41	650,862
5	1457	"	3	4	48	60,265	55	194	"	21	21	32	662,915
6	1424	"	3	4	40	72,318	56	227	"	21	21	24	674,968
7	1391	"	3	4	31	84,371	57	260	"	20	21	15	687,021
8	1358	"	3	4	23	96,424	58	293	"	20	21	6	699,074
9	1325	"	2	4	13	108,477	59	326	"	20	20	57	711,127
10	1292	"	2	4	5	120,530	60	359	"	20	20	49	723,180
11	1259	"	2	3	56	132,583	61	392	"	19	20	40	735,233
12	1226	"	2	3	47	144,636	62	425	"	19	20	31	747,286
13	1193	"	1	3	39	156,689	63	458	"	19	20	23	759,339
14	1160	"	1	3	30	168,742	64	491	"	19	20	14	771,392
15	1127	"	1	3	21	180,795	65	524	"	18	20	5	783,445
16	1094	"	1	3	12	192,848	66	557	"	18	19	56	795,498
17	1061	March	31	3	4	204,901	67	590	"	18	19	48	807,551
18	1028	"	31	2	55	216,954	68	623	"	18	19	39	819,604
19	995	"	31	2	46	229,007	69	656	"	17	19	30	831,657
20	962	"	31	2	37	241,060	70	689	"	17	19	21	843,710
21	929	"	30	2	29	253,113	71	722	"	17	19	13	855,763
22	896	"	30	2	20	265,166	72	755	"	17	19	4	867,816
23	863	"	30	2	11	277,219	73	788	"	16	18	55	879,869
24	830	"	30	2	3	289,272	74	821	"	16	18	47	891,922
25	797	"	29	1	54	301,325	75	854	"	16	18	38	903,975
26	764	"	29	1	45	313,378	76	887	"	16	18	29	916,028
27	731	"	29	1	36	325,431	77	920	"	15	18	20	928,081
28	698	"	29	1	28	337,484	78	953	"	15	18	12	940,134
29	665	"	28	1	19	349,537	79	986	"	15	18	3	952,187
30	632	"	28	1	10	361,590	80	1019	"	15	17	54	964,240
31	599	"	28	1	2	373,643	81	1052	"	14	17	46	976,293
32	566	"	28	0	53	385,696	82	1085	"	14	17	37	988,346
33	533	"	27	0	44	397,749	83	1118	"	14	17	28	1,000,399
34	500	"	27	0	35	409,802	84	1151	"	14	17	19	1,012,452
35	467	"	27	0	26	421,855	85	1184	"	13	17	11	1,024,505
36	434	"	27	0	17	433,908	86	1217	"	13	17	2	1,036,558
37	401	"	26	0	9	445,961	87	1250	"	13	16	53	1,048,611
38	368	"	26	0	0	458,014	88	1283	"	13	16	44	1,060,664
39	335	"	25	23	52	470,067	89	1316	"	12	16	36	1,072,717
40	302	"	25	23	43	482,120	90	1349	"	12	16	27	1,084,770
41	269	"	24	23	34	494,173	91	1382	"	12	16	18	1,096,823
42	236	"	24	23	26	506,226	92	1415	"	12	16	10	1,108,876
43	203	"	24	23	17	518,279	93	1448	"	11	16	1	1,120,929
44	170	"	24	23	8	530,332	94	1481	"	11	15	52	1,132,982
45	137	"	23	22	59	542,385	95	1514	"	11	15	43	1,145,035
46	104	"	23	22	51	554,438	96	1547	"	11	15	34	1,157,088
47	71	"	23	22	42	566,491	97	1580	"	10	15	26	1,169,141
48	38	"	23	22	33	578,544	98	1613	"	10	15	17	1,181,194
49	5	"	22	22	25	590,597	99	1646	"	10	15	9	1,193,247
							100	1679	"	10	15	0	1,205,300
							101	1712	"	9	14	52	1,217,353
							102	1745	"	9	14	42	1,229,406
							103	1778	"	9	14	34	1,241,459
							104	1811	"	9	14	25	1,253,512
							105	*1844*	"	8	14	16	1,265,565
							106	1877	"	8	14	7	1,277,618
							107	1910	"	8	13	59	1,289,671

USE OF THE TABLES.

1. *The primary use of the Tables is to fix particular dates.* Example:—What was the date of the new moon nearest to the vernal equinox in B.C. 457, the year in which, according to Sir Isaac Newton's calculation,[1] Ezra went up from Babylon to Jerusalem? The Tables show that the vernal equinox in B.C. 457 fell on March 26, and that the nearest new moon was that of March 25 d. 8 h. 45 m, Jerusalem Civil Time; and that, therefore, the Phasis, or first appearance of the new moon coincided with the date of the equinox.

As the Tables contain more than 100,000 solar and lunar dates, they afford the means of ascertaining or verifying a very large number of periods connected with sacred and civil chronology.

The solar and lunar dates in the Tables are the following:—3,555 vernal equinoxes; 43,969 mean new moons; 43,969 true new moons (together 87,938 new moons); 4,862 mean full moons; 4,862 true full moons (together 9,724 full moons); or 101,217 solar and lunar dates.

In ascertaining or verifying historic dates, eclipses have a special value. The Tables contain the dates of all lunar eclipses from April 22, B.C. 1207, to July 26, A.D. 1934. No separate statement of solar eclipses is given, but as these always exactly coincide with true new moons, their dates, when otherwise ascertained, may be confirmed by the Tables. The new and full moons of the Tables being stated in *Jerusalem Civil Time*, allowance must be made for this in comparing them with eclipses stated in Greenwich, or other

[1] An. J. P. 4,257. "Observations on the Prophecies of Daniel," p. 143.

local time, or in time as reckoned from noon. The following are some of the principal centres at which eclipses have been accurately observed, with the corrections which must be applied to the Tables in comparing other local time with that of Jerusalem.

	Long.	Diff. of Time from Jerusalem.	
		h.	*m.*
London—Greenwich . .	0° 0′	−2	21
Paris	2° 24′ E	−2	12
Rome	12° 30′ E	−1	31
Athens	23° 44′ E	−0	46
Constantinople . . .	29° 0′ E	−0	25
Alexandria	29° 52′ E	−0	22
Babylon	44° 33′ E	+0	37
Canton	113° 20′ E	+5	12
Pekin	116° 20′ E	+5	24

The following nineteen lunar eclipses recorded by Ptolemy establish the chronology of Babylonian, Persian, Grecian and Roman rulers for nine centuries. The names and periods of kings in Ptolemy's Canon extend from Nabonassar, B.C. 747, to Antoninus, A.D. 138. "The astronomic and the historic cannot be separated, and they must both stand or fall together. The astronomic can be rigidly verified, and the truth of the historic is a legitimate deduction."

LUNAR ECLIPSES RECORDED BY PTOLEMY.

	B.C.	Year of Nabonassar.	Reign.	Egyptian Month.	Hour.	Date of Eclipse by Oppolzer.				Date in Tables.				Differences.	
							d.	h.	m.		d.	h.	m.	h.	m.
I.	721	27	Mardocempadi, 1	Thoth 29	9.30 from noon	Mar.	19	21	25	Mar.	19	22	10	+ 0	45
II.	720	28	" 2	" 18	12 " "	"	8	23	51	"	9	1	14	+ 1	23
III.	720	28	" 2	Phamenoth 15	8.30 " "	Sept.	1	19	25	Sept.	1	18	12	− 1	13
IV.	621	127	Nabopolassar, 5	Athyr 27	17.50 " "	April	22	4	59	April	22	6	47	+ 1	48
V.	528	225	Cambysis, 7	Phamenoth 17	11 " "	July	16	23	21	July	17	1	20	+ 1	59
VI.	502	246	Darii, 20	Epiphi 28	11.36 " "	Nov.	19	23	45	Nov.	20	1	47	+ 2	2
VII.	491	257	" 31	Tybi 3	11.30 " "	April	25	22	16	April	25	21	47	− 0	29
VIII.	383	366	Phanostratus	Thoth 26	19.20 " "	Dec.	23	7	26	Dec.	23	6	22	− 1	4
IX.	382	366	"	Phamenoth 24	9.6 " "	June	18	20	52	June	18	22	31	+ 1	39
X.	382	367	Evander	Thoth 16	11.0 " "	Dec.	12	22	25	Dec.	12	20	51	− 1	34
XI.	201	547	Calippic Per. II., 54	Mesorē 16	7.0 " "	Sept.	22	19	23	Sept.	22	20	40	+ 1	17
XII.	200	548	" " II., 55	Mecheir 9	13.20 " "	Mar.	20	1	28	Mar.	20	0	39	− 0	49
XIII.	200	548	" " II., 55	Mesorē 5	14.15 " "	Sept.	12	2	49	Sept.	12	2	25	− 0	24
XIV.	174	574	Philometor, 7	Phamenoth 27	14.20 " "	May	1	2	5	May	1	0	31	− 1	34
XV.	141	607	Calippic Per. III., 37	Tybi 2	10.10 " "	Jan.	27	22	22	Jan.	27	20	50	− 1	32
	A.D.														
XVI.	125	872	Hadrian, 9	Pachon 17	8.24 " "	April	5	21	18	April	5	20	25	− 0	53
XVII.	133	880	" 17	Paüni 20	11.15 " "	May	6	23	28	May	7	0	6	+ 0	38
XVIII.	134	882	" 19	Chœac 2	11.0 " "	Oct.	20	23	22	Oct.	20	23	47	+ 0	25
XIX.	136	883	" 20	Pharmuthi 19	16.0 " "	Mar.	6	4	4	Mar.	6	2	35	− 1	29

ANCIENT CHINESE ECLIPSES.

The following thirty-six solar eclipses have a special value as verifying ancient Chinese history. They are taken from the *Chun Tsiu*, a history or chronicle of the kingdom of Lu, from B.C. 722 to B.C. 481, written by the celebrated philosopher Confucius. With the exception of four, all these eclipses have been verified. "That some error exists in these four is admitted by the Chinese themselves, but they attribute it to the transcribers, and not to Confucius. As the hour and quantity are not expressed they are less useful to the astronomer, but they are of immense value in authenticating the ancient Chinese history and determining its chronology."[1] We have taken the dates of these eclipses from Lindsay's "Chrono-Astrolabe." The correspondence of these dates with new moons in the *Tables* is interesting, and confirms both the eclipses and the Tables.

[1] J. B. Lindsay. "Chrono-Astrolabe," p. 98.

ANCIENT CHINESE ECLIPSES, FROM THE CHUN TSIU, OF CONFUCIUS.

No.		Date indicated. B.C.	New Moon. *Tables.* Jerusalem Civil Time.			
				d.	*h.*	*m.*
1	"In the year Sin-Yiu (the 58th of the cycle of 60) the 3rd of the Prince Yin Kung, in the season of spring, the 2nd moon, the day Ki-szi (being the 6th of the cycle of 60 days) the sun was eclipsed."	720. Feb. 22	Feb.	22	1	43
2	"In the year of the cycle Jin-Shin (the 9th) being the 3rd year of the Prince Hwan Kung, in autumn, the 7th moon, the day Jin-chin (29th) at new moon, the sun suffered a total eclipse."	709. July 17	July	17	8	22
3	"In the 17th year of Hwan Kung being ping-seuh (23rd of cycle) winter, the 10th moon, at new moon, the sun had an eclipse."	695. Oct. 10	Oct.	10	10	35
4	"In the year Yih-szi (42nd of the cycle) being the 18th of Chwang Kung, spring season, 3rd moon, the sun was eclipsed."	676. April 15	April.	15	10	9
5	"In the year Jin-tszi (49th of the cycle), 25th year of Chwang Kung, beginning of the 6th moon, on the day Sin-wi (8th of the cycle of days) the sun had an eclipse."	669. May 27	May	27	8	7
6	"In the year Kwei-chau (50th of cycle), the 26th of Chwang Kung, winter, 12th moon, the day Kwei-hai (60th of cycle of days), the sun was eclipsed."	668. Nov. 10	Nov.	10	6	11
7	"In the 30th year of Chwang Kung, being Ting-szi (54th year of the cycle), on the first of the 9th moon, being the day Kang-wu (7th of the cycle of days), the sun was elipsed."	664. Aug. 28	Aug.	28	8	20
8	"In the year Ping-yin (3rd of the cycle), being the 5th of Hi Kung, the first of the 9th moon, the day Wu-shin (45th of the cycle of days), the sun was eclipsed."	655. Aug. 19	Aug.	19	7	43

No.		Date indicated. B.C.	New Moon. Tables. Jerusalem Civil Time.	d.	h.	m.
9	"In the year Kwei-yiu (10th of the cycle), being the 12th of Hi Kung, in the spring season, 3rd moon, on the day Kang-wu (7th of the cycle of days), the sun was eclipsed."	648. April 6	April.	6	9	39
10	"In the year Ping-tszi (13th of the cycle), being the 15th of Hi Kung, in summer, the 5th moon, the sun was eclipsed." (Cannot be verified.)	645.				
11	"In the year Yih-wi (32nd of the cycle), being the first of Wan Kung, in the 2nd moon, the day Kwei-hai (60th of the cycle of days), the sun was eclipsed."	626. Feb. 3	Feb. .	3	8	10
12	"In the year Ki-yiu (46th of the cycle), the 15th of Wan Kung, on the first day of the 6th moon, being sin-chau (38th of the cycle of days), the sun was eclipsed."	612. April 28	April.	28	0	53
13	"In the year Kang-shin (57th of the cycle), the 8th of Seuen Kung, autumn, 7th moon, the day Kia-tszi (1st of the cycle), the sun suffered a total eclipse."	601. Sept. 20	Sept. .	20	8	22
14	"In the year Jin-Seuh (59th of the cycle), the 10th of Seuen Kung, summer, at the 4th moon, the day Ping-chin (53rd of the cycle), the sun was eclipsed."	599. Mar. 6	Mar. .	6	8	17
15	"In the year Ki-szi (6th of the cycle), the 17th of Seuen Kung, at the 6th moon, the day Kwei-mao (40th of the cycle of days), the sun eclipsed." (Not verified.)	592.				
16	"In the year Pingseuh (23rd of the cycle), the 16th of Ching Kung, at the beginning of the 6th moon, on the day Ping-yin (3rd of the cycle of days), the sun was eclipsed."	575. May 9	May .	9	7	43
17	"In the year Ting-hai (24th of the cycle), the 17th of Ching Kung, the first day of the 12th moon, being Ting-szi (54th of the cycle), the sun was eclipsed."	574. Oct. 22	Oct. .	22	2	35
18	"In the year Jin-yin (39th of the cycle), the 14th of Siang Kung, the 1st day of the 2nd moon, being Yih-wi (the 32nd of the cycle of days), the sun was eclipsed."	559. Jan. 14	Jan. .	14	9	14

No.		Date indicated. B.C.	New Moon. Jerusalem Civil Time. Tables.	d.	h.	m.
19	"In the year Kwei-mau (40th of the cycle), being the 15th of Siang Kung, autumn, the 8th moon, on the day Ting-szi (54th of the cycle of days), there was an eclipse of the sun."	558. May 31	May .	30	23	15
20	"In the year Wu-shin (45th of the cycle), being the 20th of Siang Kung, in winter, the 1st day of the 10th moon, being Ping-chin (the 53rd of the cycle of days), the sun was eclipsed."	558. Aug. 31	Aug. .	31	11	8
21	"In the year Ki-yiu (46th of the cycle), the 21st of Siang Kung, the 1st day of the 9th moon, being Kang-Seuh (47th of the cycle of days), the sun was eclipsed."	552. Aug. 20	Aug. .	20	11	23
22	"In the year Ki-yiu (46th of the cycle), the 21st of Siang Kung, 1st day of 10th moon, being Kang-chin (17th of cycle), the sun eclipsed." (Not verified.)					
23	"In the year Sin-hai (48th of the cycle), being the 23rd of Siang Kung, in the spring season, on the day Kwei-yiu (10th of the cycle of days), the sun was eclipsed."	550. Jan. 5	Jan. .	5	5	50
24	"In the 24th year of Siang Kung, being Jin-tszi (49th of the cycle), autumn, beginning of the 7th moon, on the day Kia-tszi (1st of the cycle of days), the sun had a total eclipse."	549. June 19	June .	19	6	19
25	"In the beginning of the 8th moon, on the day Kwei-szi (30th of the cycle of days), the sun was eclipsed." (Cannot be verified for day assigned.)	549. July 18	July .	18	13	20
26	"In the 27th year of Siang Kung, being Yih-mao (52nd of the cycle), winter, beginning of the 12th moon, the day Yih-hai (12th of the cycle of days), the sun was eclipsed."	546. Oct. 13	Oct. .	13	2	13
27	"In the 7th year of Chao-Kung, being Ping-yin (3rd of the cycle), summer, beginning of the 4th moon, on the day Kia-chin, the sun was eclipsed."	535. Mar. 18	Mar. .	18	7	15

No.		Date indicated. B.C.	New Moon. Jerusalem Civil Time.	*Tables.*	
				d.	*h.*	*m.*
28	"In the 15th year of Chao Kung, being Kia-seuh (11th of the cycle), beginning of the 6th moon, on the day Ting-szi (54th of the cycle), the sun was eclipsed."	527. April 18	April.	18	7	23
29	"In the 17th year of Chao Kung, being Ping-tszi (13th of the cycle), summer, beginning of the 6th moon, the day Kia-seuh (11th of the cycle of days), the sun was eclipsed."	525. Aug. 21	Aug.	21	13	36
30	"In the 21st year of Chao Kung, being Kang-chin (17th of the cycle), autumn, beginning of the 7th moon, on the day Jin-wu (19th of the cycle of days), the sun was eclipsed."	521. June 10	June	10	5	18
31	"In the 22nd year of Chao Kung, being Sin-szi (18th of the cycle), beginning of the 12th moon, the day Kwei-yiu (10th of the cycle of days), the sun was eclipsed."	520. Nov. 23	Nov.	23	5	8
32	"In the 24th year of Chao Kung, being Kwei-wi (20th of the cycle), summer, beginning of the 5th moon, the day Yih-wi (32nd of the cycle of days), the sun was eclipsed."	518. April 9	April.	9	4	21
33	"In the 31st year of Chao Kung, being Kang-yin (27th of the cycle), beginning of the 12th moon, the day Sin-hai (48th of the cycle), the sun was eclipsed."	511. Nov. 14	Nov.	14	4	4
34	"In the 5th year of Ting Kung, being Ping-shin (33rd of the cycle), spring season, beginning of the 3rd moon, the day Sin-hai (48th of the cycle), the sun was eclipsed."	505. Feb. 16	Feb.	16	9	15
35	"In the 12th year of Ting Kung, being Kwei-mao (40th of the cycle), beginning of the 11th moon, the day Ping-yin (3rd of the cycle of days), the sun was eclipsed."	498. Sept. 22	Sept.	22	9	17
36	"In the 15th year of Ting Kung, being Ping-wu (43rd of the cycle), beginning of the 8th moon, the day Kang-chin (17th of the cycle), the sun was eclipsed."	495. July 22	July	22	5	6

Coming down to later times, we add the following twelve historically recorded lunar eclipses, as specimens of the very large number of historical eclipses verified by the Tables.

LUNAR ECLIPSES.

B.C.	Day. Hour.	Locality. Authority.	*Tables.* Jerusalem Civil Time.			
				d.	*h.*	*m.*
45	Nov. 7. Two hours after midnight.	Rome. Ovid, "Met."	Nov.	7	2	42
4	Mar. 13. Night of 12th to 13th March.	Judea. Josephus, "Antiq.," xvii. 6, 4.	Mar.	13	8	50
A.D.						
14	Sept. 27. Four in the morning.	Tacitus, "Annals." Soon after death of Augustus.	Sept.	27	5	52
364	Nov. 26.	Theon, "Commentary on Almagest of Ptolemy."	Nov.	26	3	21
452	Sept. 15.	8th year of Merovius. King of Franks. Trithemius.	Sept.	15	4	50
716	Jan. 13. "Till midnight."	In time of Pope Gregory. "14th Indiction." Anastasius.	Jan.	13	20	8
800	Jan. 15. Eight in the evening.	Saxon Chronicle.	Jan.	15	22	32
888	July 23.	Observed by Albatani.	July	23	18	27
1204	April 16.	Matthew Paris.	April	16	8	12
1248	June 7.	" "	June	7	23	47
1457	Sept. 8. 11.17 p.m. (Struyk).	Observed by Regiomontanus.	Sept.	8	23	21
1460	July 8. 7.31 p.m.	" "	July	8	22	28

The Tables are of practical value, not only in confirming dates, but in the discovery of errors. The following errors in the list of eclipses given in Ferguson's "Astronomy" (taken professedly from Struyk and Ricciolus) have been discovered by a comparison of his dates with those in the Tables. In each of these instances the dates in the *Tables* are confirmed by Oppolzer's invaluable "Canon der Finsternisse."

ERRATA IN FERGUSON'S LIST OF ECLIPSES.

From Struyk's Catalogue to A.D. 1485; rest from Ricciolus.
Reduced to Civil Time.

B.C.	Character of Eclipse.	Date—Ferguson.				Tables. Jerusalem Civil Time.			
			d.	h.	m.		d.	h.	m.
408	Solar	Aug.	28	17	53	Aug.	23	18	8
357	Lunar	Aug.	29	19	29	Aug.	9	18	53
188	Solar	July	7	8	38	July	17	9	5
2	"	Feb.	2	8	8	Feb.	5	2	59
A.D.									
290	"	May	15	15	20	May	25	23	40
787	"	Sept.	15	8	43	Sept.	16	10	37
989	"	May	28	18	54	May	8	1	50
1207	"	Feb.	27	22	50	Feb.	28	13	1
1228	"	Dec.	27	21	55	Dec.	28	10	15
1327	Lunar	Sept.	1	6	26	Sept.	2	7	23
1341	"	Nov.	29	0	23	Nov.	24	1	16
1491	Solar	Mar.	8	14	19	May	8	15	21
1495	Lunar	Mar.	11	4			none		
1499	"	June	23	5			none		
1499	Solar	Aug.	24	6			none		
1499	Lunar	Nov.	17	22			none		
1500	Solar	Mar.	27			May	28	2	12

ERRORS IN EQUINOX DATES AND DOMINICAL LETTERS.

Greswell's otherwise valuable Chronological Tables are wrong in their Julian Equinox dates and Dominical Letters from their commencement to the third century A.D. In the table which follows, it will be seen that while Greswell's dates agree on the whole with those in our *Tables from the third century A.D. onward*, they differ from them in all the preceding centuries. The error of Greswell's tables has been clearly demonstrated by Browne—*Ordo Sæclorum*, pp. 522–526—and by other chronologers.

DELPHIAN OCTAËTERIS.

DATES FROM THE *TABLES*, JERUSALEM CIVIL TIME.

Epoch, *July* 31, B.C. 542.

		Ἐνδυσποιτρόπιος.	Ποιτρόπιος.	Ἀποτρόπιος.	Ἀπελλαῖος.	Δαιδαφόριος.	Ἡραῖος.	Βύσιος.	Βοαθόος.	Θευξένιος.	Ἡράκλειος.	Βουκάτιος.	Εἰλαῖος.	Εἰλαῖος B.
B.C.	Cycle.	i. 30.	ii. 29.	iii. 30.	iv. 29.	v. 30.	vi. 29.	vii. 30.	viii. 29.	ix. 30.	x. 29.	xi. 30.	xii. 29.	xiii. 30.
542	i.	July 31 *d.* 10 *h.*	Aug. 30 *d.* 0 *h*	Sept. 28 *d.* 17 *h.*	Oct. 28 *d.* 12 *h.*	Nov. 27 *d.* 7 *h.*	Dec. 27 *d.* 1 *h.*	Jan. 25 *d.* 17 *h.*	Feb. 24 *d.* 6 *h.*	Mar. 24 *d.* 16 *h.*	April 22 *d.* 28 *h.*	May 22 *d.* 6 *h.*	June 20 *d.* 18 *h.*	
541	ii.	July 19 *d.* 21 *h.*	Aug. 18 *d.* 7 *h.*	Sept. 16 *d.* 20 *h.*	Oct. 16 *d.* 12 *h.*	Nov. 15 *d.* 6 *h.*	Dec. 15 *d.* 2 *h.*	Jan. 13 *d.* 21 *h.*	Feb. 12 *d.* 14 *h.*	Mar. 14 *d.* 4 *h.*	April 12 *d.* 15 *h.*	May 11 *d.* 23 *h.*	June 10 *d.* 6 *h.*	
540	iii.	July 9 *d.* 13 *h.*	Aug. 7 *d.* 21 *h.*	Sept. 6 *d.* 6 *h.*	Oct. 5 *d.* 18 *h.*	Nov. 4 *d.* 8 *h.*	Dec. 4 *d.* 2 *h.*	Jan. 2 *d.* 20 *h.*	Feb. 1 *d.* 15 *h.*	Mar. 3 *d.* 8 *h.*	April 1 *d.* 23 *h.*	May 1 *d.* 12 *h.*	May 30 *d.* 22 *h.*	June 29 *d.* 6 *h.*
539	iv.	July 28 *d.* 14 *h.*	Aug. 26 *d.* 22 *h.*	Sept. 25 *d.* 7 *h.*	Oct. 24 *d.* 18 *h.*	Nov. 23 *d.* 7 *h.*	Dec. 22 *d.* 22 *h.*	Jan. 21 *d.* 15 *h.*	Feb. 20 *d.* 8 *h.*	Mar. 22 *d.* 1 *h.*	April 20 *d.* 17 *h.*	May 20 *d.* 7 *h.*	May 18 *d.* 19 *h.*	
538	v.	July 18 *d.* 5 *h.*	Aug. 16 *d.* 14 *h.*	Sept. 14 *d.* 23 *h.*	Oct. 14 *d.* 9 *h.*	Nov. 12 *d.* 20 *h.*	Dec. 12 *d.* 8 *h.*	Jan. 10 *d.* 21 *h.*	Feb. 9 *d.* 11 *h.*	Mar. 10 *d.* 2 *h.*	April 8 *d.* 18 *h.*	May 8 *d.* 9 *h.*	May 7 *d.* 0 *h.*	July 6 *d.* 14 *h.*
537	vi.	Aug. 5 *d.* 8 *h.*	Sept. 3 *d.* 14 *h.*	Oct. 3 *d.* 1 *h.*	Nov. 1 *d.* 11 *h.*	Nov. 30 *d.* 22 *h.*	Dec. 30 *d.* 9 *h.*	Jan. 28 *d.* 20 *h.*	Feb. 27 *d.* 8 *h.*	Mar. 28 *d.* 21 *h.*	April 27 *d.* 10 *h.*	May 27 *d.* 1 *h.*	May 25 *d.* 17 *h.*	
536	vii.	July 25 *d.* 8 *h.*	Aug. 23 *d.* 23 *h.*	Sept. 22 *d.* 13 *h.*	Oct. 22 *d.* 2 *h.*	Nov. 20 *d.* 14 *h.*	Dec. 20 *d.* 1 *h.*	Jan. 18 *d.* 11 *h.*	Feb. 16 *d.* 21 *h.*	Mar. 18 *d.* 7 *h.*	April 16 *d.* 17 *h.*	May 16 *d.* 4 *h.*	May 14 *d.* 18 *h.*	
535	viii.	July 14 *d.* 9 *h.*	Aug. 13 *d.* 1 *h.*	Sept. 11 *d.* 18 *h.*	Oct. 11 *d.* 10 *h.*	Nov. 10 *d.* 2 *h.*	Dec. 9 *d.* 15 *h.*	Jan. 8 *d.* 8 *h.*	Feb. 6 *d.* 18 *h.*	Mar. 7 *d.* 22 *h.*	April 6 *d.* 6 *h.*	May 5 *d.* 15 *h.*	May 4 *d.* 0 *h.*	July 3 *d.* 12 *h.*

INTERCALARY MONTHS IN THE METONIC CYCLE,

From the first year of the cycle, commencing with the new moon nearest to the Summer Solstice, B.C. 432, to the adoption of the Cycle of Calippus, containing four Metonic periods, or 76 years, July, B.C. 330. (Dates from Tables, Jerus. C. T.).

Intercalary Years.	B.C.	New Moon Intercalary Month.	B.C.	New Moon Intercalary Month.	B.C.	New Moon Intercalary Month.	B.C.	New Moon Intercalary Month.	B.C.	New Moon Intercalary Month.	B.C.	New Moon Intercalary Month.
	432	June 16										
III.	429	" 12	410	June 12	391	June 12	372	June 12	358	June 12	334	June 13
V.	427	" 20	408	" 20	389	" 19	370	" 21	351	" 20	332	" 20
VIII.	424	" 17	405	" 17	386	" 18	367	" 17	348	" 17		
XI.	421	" 14	402	" 14	383	" 14	364	" 13	345	" 14		
XIII.	419	" 22	400	" 22	381	" 21	362	" 22	343	" 22		
XVI.	416	" 19	397	" 19	378	" 19	359	" 19	340	" 18		
XIX.	413	" 15	394	" 16	375	" 15	356	" 15	337	" 15		

Many references occur in the writings of Josephus to dates connected with the history of the Jewish war. A list of these is given in Browne, "Ordo Sæclorum," p. 537–544, together with the following table of the Jewish and Syro-macedonian months in the years A.D. 66–70. These dates are confirmed, and to some extent corrected, by those in our *Tables*.

JEWISH AND SYROMACEDONIAN MONTHS, A.D. 66–70.

(BROWNE, ORDO SÆCLORUM.)

Jewish and Syromacedonian M.	Days.	A.D. 66.	A.D. 67.	Days.	A.D. 68.	A.D. 69.	A.D. 70.
1. Nisan . . .	1	S Mar. 16	Th Mar. 5	1	W Mar. 23	S Mar. 12	Sa Mar. 31
	15	„ „ 30	„ „ 19	15	„ April 6	„ „ 26	„ April 14
Xanthicus . .	30	M April 14	F April 8	29	„ „ 20	„ April 9	„ „ 28
2. Ijar	1	Tu April 15	Sa April 4	1	Th April 21	M April 10	S April 29
Artemisius . .	29	„ May 13	„ May 2	30	F May 20	Tu May 9	M May 28
3. Sivan	1	W May 14	S May 3	1	Sa May 21	W May 10	Tu May 29
Dæsius . . .	30	Th June 12	M June 1	29	„ June 18	„ June 7	„ June 26
4. Thamuz . . .	1	F June 13	Tu June 2	1	S June 19	Th June 8	W June 27
Panemus . .	29	„ July 11	„ „ 30	30	M July 18	F July 7	Th July 26
5. Ab	1	Sa July 12	W July 1	1	Tu July 19	Sa July 8	F July 27
Lous	30	S Aug. 10	Th „ 30	29	„ Aug. 16	„ Aug. 5	„ Aug. 24
6. Elul	1	M Aug. 11	F July 31	1	W Aug. 17	S Aug. 6	Sa Aug. 25
Gorpiæus . .	29	„ Sept. 8	„ Aug. 28	30	Th Sept. 15	M Sept. 4	S Sept. 23
7. Tisri	1	Tu Sept. 9	Sa Aug. 29	1	F Sept. 16	Tu Sept. 5	M Sept. 24
	15	„ „ 23	„ Sept. 12	15	„ „ 30	„ „ 19	„ Oct. 8
Hyperberetæus	30	W Oct. 8	S „ 27	29	„ Oct. 14	„ Oct. 3	„ „ 22
8. Marchesvan .	1	Th Oct. 9	M Sept. 28	1	Sa Oct. 15	W Oct. 4	Tu Oct. 23
Dius	29	„ Nov. 6	„ Oct. 26	30	S Nov. 13	Th Nov. 2	W Nov. 21
9. Kisleu . . .	1	F Nov. 7	Tu Oct. 27	1	M Nov. 14	F Nov. 3	Th Nov. 22
Apellæus . .	30	Sa Dec. 6	W Nov. 25	29	„ Dec. 12	„ Dec. 1	„ Dec. 20
10. Tebeth . . .	1	S Dec. 7	Th Nov. 26	1	Tu Dec. 13	Sa Dec. 2	F Dec. 21
		A.D. 67.			A.D. 69.		
Andynæus . .	29	„ Jan. 4	„ Dec. 24	30	W Jan. 11	S „ 31	...
11. Shebat . . .	1	M Jan. 5	F Dec. 25	1	Th Jan. 12	M Jan. 1	...
			A.D. 68, B.			A.D. 70.	
Peritius . . .	30	Tu Feb. 8	Sa Jan. 23	29	„ Feb. 9	„ Jan. 29	...
12. Adar	1	W Feb. 4	S Jan. 24	1	F Feb. 10	Tu Jan. 30	...
Dystrus . . .	29	„ Mar. 4	„ Feb. 21	30	Sa Mar. 11	W Feb. 28	...
13. Ve-adar . . .	...	...	1. M Feb. 22	...	...	1. Th Mar. 1	...
Dioscorus . .	...	...	30. Tu Mar. 22	...	...	30. F Mar. 30	...

JEWISH AND SYROMACEDONIAN MONTHS, A.D. 66–70.

DATES FROM *TABLES*, JERUSALEM CIVIL TIME.

Jewish and Syromacedonian M.	A.D. 66.	A.D. 67.	A.D. 68.	A.D. 69.	A.D. 70.
	d. h.	*d. h.*	*d. h.*	*d. h.*	*d. h.*
1. Nisan . . . . . Xanthicus	Mar. . 14 20 Friday	Mar. . 4 8 Wednesday	Mar. . 22 8 Tuesday	Mar. . 11 19 Saturday	Mar. . 30 20 Friday
2. Ijar . . . . . Artemisius	April . 13 11 Sunday	April . 2 15 Thursday	April . 20 12 Wednesday	April . 10 8 Monday	April . 29 8 Sunday
3. Sivan . . . . . Dæsius	May . 13 2 Tuesday	May . 2 4 Saturday	May . 19 23 Thursday	May . 9 11 Tuesday	May . 28 10 Monday
4. Thamuz . . . . . Panemus	June . 11 18 Wednesday	May . 31 18 Sunday	June . 18 11 Saturday	June . 7 19 Wednesday	June . 26 17 Tuesday
5. Ab . . . . . Lous	July . 11 8 Friday	June . 30 9 Tuesday	July . 18 2 Monday	July . 7 6 Friday	July . 26 3 Thursday
6. Elul . . . . . Gorpiæus	Aug. . 9 21 Saturday	July . 30 1 Thursday	Aug. . 16 18 Tuesday	Aug. . 5 19 Saturday	Aug. . 24 14 Friday
7. Tisri . . . . . Hyperberetæus	Sept. . 8 9 Monday	Aug. . 28 17 Friday	Sept. . 15 11 Thursday	Sept. . 4 11 Monday	Sept. . 23 5 Sunday
8. Marchesvan . . . . . Dius	Oct. . 7 21 Tuesday	Sept. . 27 8 Sunday	Oct. . 15 4 Saturday	Oct. . 4 5 Wednesday	Oct. . 22 23 Monday
9. Kisleu . . . . . Apellæus	Nov. . 6 8 Thursday	Oct. . 26 21 Monday	Nov. . 13 20 Sunday	Nov. . 3 0 Friday	Nov. . 21 18 Wednesday
10. Tebeth . . . . . Andynæus	Dec. . 5 19 Friday	Nov. . 25 10 Wednesday	Dec. . 13 11 Tuesday	Dec. . 2 18 Saturday	Dec. . 21 13 Friday
11. Shebat . . . . . Peritius	Jan. . 4 6 Sunday	Dec. . 24 21 Thursday	Jan. . 11 23 Wednesday	Jan. . 1 10 Monday	
12. Adar . . . . . Dystrus	Feb. . 2 16 Monday	Jan. . 23 8 Saturday	Feb. . 10 10 Friday	Jan. . 31 0 Wednesday	
13. Ve-adar . . . . . Dioscorus		Feb. . 21 18 Sunday		Mar. . 1 11 Thursday	

JEWISH AND SYROMACEDONIAN MONTHS, A.D. 66–70.

(BROWNE, ORDO SÆCLORUM.)

Jewish and Syromacedonian M.	Days.	A.D. 66.	A.D. 67.	Days.	A.D. 68.	A.D. 69.	A.D. 70.
1. Nisan . . .	1	S Mar. 16	Th Mar. 5	1	W Mar. 23	S Mar. 12	Sa Mar. 31
	15	„ „ 30	„ „ 19	15	„ April 6	„ „ 26	„ April 14
Xanthicus . .	30	M April 14	F April 8	29	„ „ 20	„ April 9	„ „ 28
2. Ijar	1	Tu April 15	Sa April 4	1	Th April 21	M April 10	S April 29
Artemisius . .	29	„ May 13	„ May 2	30	F May 20	Tu May 9	M May 28
3. Sivan	1	W May 14	S May 3	1	Sa May 21	W May 10	Tu May 29
Dæsius . . .	30	Th June 12	M June 1	29	„ June 18	„ June 7	„ June 26
4. Thamuz . . .	1	F June 13	Tu June 2	1	S June 19	Th June 8	W June 27
Panemus . .	29	„ July 11	„ „ 30	30	M July 18	F July 7	Th July 26
5. Ab	1	Sa July 12	W July 1	1	Tu July 19	Sa July 8	F July 27
Lous	30	S Aug. 10	Th „ 30	29	„ Aug. 16	„ Aug. 5	„ Aug. 24
6. Elul	1	M Aug. 11	F July 31	1	W Aug. 17	S Aug. 6	Sa Aug. 25
Gorpiæus . .	29	„ Sept. 8	„ Aug. 28	30	Th Sept. 15	M Sept. 4	S Sept. 23
7. Tisri	1	Tu Sept. 9	Sa Aug. 29	1	F Sept. 16	Tu Sept. 5	M Sept. 24
	15	„ „ 23	„ Sept. 12	15	„ „ 30	„ „ 19	„ Oct. 8
Hyperberetæus	30	W Oct. 8	S „ 27	29	„ Oct. 14	„ Oct. 3	„ „ 22
8. Marchesvan .	1	Th Oct. 9	M Sept. 28	1	Sa Oct. 15	W Oct. 4	Tu Oct. 23
Dius	29	„ Nov. 6	„ Oct. 26	30	S Nov. 13	Th Nov. 2	W Nov. 21
9. Kisleu . . .	1	F Nov. 7	Tu Oct. 27	1	M Nov. 14	F Nov. 3	Th Nov. 22
Apellæus . .	30	Sa Dec. 6	W Nov. 25	29	„ Dec. 12	„ Dec. 1	„ Dec. 20
10. Tebeth . . .	1	S Dec. 7	Th Nov. 26	1	Tu Dec. 13	Sa Dec. 2	F Dec. 21
		A.D. 67.			A.D. 69.		
Andynæus . .	29	„ Jan. 4	„ Dec. 24	30	W Jan. 11	S „ 31	...
11. Shebat . . .	1	M Jan. 5	F Dec. 25	1	Th Jan. 12	M Jan. 1	...
			A.D. 68, B.			A.D. 70.	
Peritius . . .	30	Tu Feb. 3	Sa Jan. 23	29	„ Feb. 9	„ Jan. 29	...
12. Adar	1	W Feb. 4	S Jan. 24	1	F Feb. 10	Tu Jan. 30	...
Dystrus . . .	29	„ Mar. 4	„ Feb. 21	30	Sa Mar. 11	W Feb. 28	...
13. Ve-adar . . .	...	...	1. M Feb. 22	...	...	1. Th Mar. 1	...
Dioscorus . .	...	...	30. Tu Mar. 22	...	...	30. F Mar. 30	...

JEWISH AND SYROMACEDONIAN MONTHS, A.D. 66–70.

DATES FROM *TABLES*, JERUSALEM CIVIL TIME.

Jewish and Syromacedonian M.	A.D. 66.	A.D. 67.	A.D. 68.	A.D. 69.	A.D. 70.
	d. h.	*d. h.*	*d. h.*	*d. h.*	*d. h.*
1. Nisan . . . . . Xanthicus	Mar. . 14 20 Friday	Mar. . 4 8 Wednesday	Mar. . 22 8 Tuesday	Mar. . 11 19 Saturday	Mar. . 30 20 Friday
2. Ijar . . . . . Artemisius	April . 13 11 Sunday	April . 2 15 Thursday	April . 20 12 Wednesday	April . 10 8 Monday	April . 29 8 Sunday
3. Sivan . . . . . Dæsius	May . 13 2 Tuesday	May . 2 4 Saturday	May . 19 23 Thursday	May . 9 11 Tuesday	May . 28 10 Monday
4. Thamuz . . . . . Panemus	June . 11 18 Wednesday	May . 31 18 Sunday	June . 18 11 Saturday	June . 7 19 Wednesday	June . 26 17 Tuesday
5. Ab . . . . . Lous	July . 11 8 Friday	June . 30 9 Tuesday	July . 18 2 Monday	July . 7 6 Friday	July . 26 8 Thursday
6. Elul . . . . . Gorpiæus	Aug. . 9 21 Saturday	July . 30 1 Thursday	Aug. . 16 18 Tuesday	Aug. . 5 19 Saturday	Aug. . 24 14 Friday
7. Tisri . . . . . Hyperberetæus	Sept. . 8 9 Monday	Aug. . 28 17 Friday	Sept. . 15 11 Thursday	Sept. . 4 11 Monday	Sept. . 23 5 Sunday
8. Marchesvan . . . . . Dius	Oct. . 7 21 Tuesday	Sept. . 27 8 Sunday	Oct. . 15 4 Saturday	Oct. . 4 5 Wednesday	Oct. . 22 23 Monday
9. Kisleu . . . . . Apellæus	Nov. . 6 8 Thursday	Oct. . 26 21 Monday	Nov. . 13 20 Sunday	Nov. . 3 0 Friday	Nov. . 21 18 Wednesday
10. Tebeth . . . . . Andynæus	Dec. . 5 19 Friday	Nov. . 25 10 Wednesday	Dec. . 13 11 Tuesday	Dec. . 2 18 Saturday	Dec. . 21 13 Friday
11. Shebat . . . . . Peritius	Jan. . 4 6 Sunday	Dec. . 24 21 Thursday	Jan. . 11 23 Wednesday	Jan. . 1 10 Monday	
12. Adar . . . . . Dystrus	Feb. . 2 16 Monday	Jan. . 23 8 Saturday	Feb. . 10 10 Friday	Jan. . 31 0 Wednesday	
13. Ve-adar . . . . . Dioscorus		Feb. . 21 18 Sunday		Mar. . 1 11 Thursday	

CANON OF S. HIPPOLYTUS.

The Octaëteris, or 8-years' lunar cycle, was one of the Paschal cycles in early use in the Christian Church. In the year A.D. 1551 was disinterred near the church of St. Laurence, at Rome, a marble monument of an ecclesiastic seated in a chair, on each side of which was an inscription in Greek; on the right side, a Paschal cycle beginning at the first year of Alexander Severus, with seven columns of dates; and on the left a table of corresponding Easter Sunday dates. The monument is preserved in the Vatican.

The exordium of the Canon is as follows:—"In the first year of the Emperor Alexander, the fourteenth of the Passover fell on the Ides of April, Saturday, the preceding year having received an intercalary month. In the succeeding years the day will be as is set down below in the Table. In the preceding years it fell as is here marked." The statue has been recognised as that of Hippolytus, Bishop of Portus, who wrote a treatise on the Passover, and constructed a 16-years Paschal cycle (the Octaëteris doubled).

We give here a copy of the Paschal Table of the monument. The first column contains the date of the 14th day of the Paschal moon, for 16 years, with the weekdays indicated by the first seven letters of the alphabet. The remaining columns contain only the weekdays, on the assumption that the Julian date recurs after a lapse of sixteen years. It is interesting to observe that the earliest Paschal limit in the Canon of Hippolytus is the 18th of March, which was, according to the Acta Pilati, the day of the Crucifixion, A.D. 29.

This venerable Christian calendar *is correct as to its weekdays throughout*, and also as to the coincidence of the full moon with its 14th day of the month *in the earlier entries*; but the later dates are out of harmony with the times of full moon, owing to the error of the 8-years' cycle, as will be seen by a comparison of the Julian dates in the first column of the Canon of Hippolytus, and those in the remaining columns, with the dates of the actual full moons from our lunar *Tables*. Thus, instead of the first date, April 13, being repeated in the years A.D. 222, 238, 254, 270, 286, 302, and 318, as in the Canon, the true dates of full moon in those years are April 14, 16, 19, 22, 26, 29, and May 2; the error growing with each repetition of the cycle, until it amounts to 18 days, and in its course making the Paschal *full* moon of the Canon of St. Hippolytus coincide with the *new* moon of the heavens. The error of the Canon in its *later*, and its correctness in its *earlier* dates, confirm the inscription it bears assigning its composition to the first year of the Emperor Alexander Severus, A.D. 222.

CANON OF S. HIPPOLYTUS.

(Browne, Ordo Sæclorum).

14th of the Moon.		A.D.	1st Cycle.	A.D.	2nd Cycle.	A.D.	3rd Cycle.	A.D.	4th Cycle.	A.D.	5th Cycle.	A.D.	6th Cycle.	A.D.	7th Cycle.
1	13 April	222	Sat.	238	Fri.	254	Thurs.	270	Wed.	286	Tues.	302	Mon.	318	Sun.
2	2 April	3	Wed. (Nativity)	9	Tues.	5	Mon.	1	Sun.	7	Sat.	3	Fri.	9	Thurs.
3	21, 20 Mar.	4	Sun. (Hezekiah)	240	Sat.	6	Fri. (Joshua)	2	Thurs.	8	Wed.	4	Tues.	320	Mon.
4	9 April	5	Sat. (Josias)	1	Fri.	7	Thurs.	3	Wed.	9	Tues.	5	Mon.	1	Sun.
5	29 Mar.	6	Wed.	2	Tues.	8	Mon.	4	Sun.	290	Sat.	6	Fri.	2	Thurs.
6	18 Mar.	7	Sun.	3	Sat.	9	Fri.	5	Thurs.	1	Wed.	7	Tues.	3	Mon.
7	5 April	8	Sat.	4	Fri.	260	Thurs.	6	Wed. (Joshua Daniel)	2	Tues.	8	Mon.	4	Sun.
8	25 Mar.	9	Wed.	5	Tues.	1	Mon.	7	Sun.	3	Sat.	9	Fri.	5	Thurs.
9	13 April	230	Tues.	6	Mon.	2	Sun.	8	Sat.	4	Fri.	310	Thurs.	6	Wed.
10	2 April	1	Sat.	7	Fri.	3	Thurs.	9	Wed.	5	Tues.	1	Mon.	7	Sun. (Exode)
11	21, 20 Mar.	2	Wed.	8	Tues.	4	Mon.	280	Sun.	6	Sat.	2	Fri.	8	Thurs.
12	9 April	3	Tues.	9	Mon.	5	Sun.	1	Sat.	7	Fri.	3	Thurs.	9	Wed. (Passover in the Desert)
13	29 Mar.	4	Sat.	250	Fri.	6	Thurs.	2	Wed.	8	Tues.	4	Mon.	330	Sun.
14	18 Mar.	5	Wed.	1	Tues.	7	Mon.	3	Sun.	9	Sat.	5	Fri.	1	Thurs.
15	5 April	6	Tues. (Exodus Daniel)	2	Mon.	8	Sun.	4	Sat.	300	Fri.	6	Thurs.	2	Wed. (Ezra)
16	25 Mar.	7	Sat.	3	Fri. (Passion)	9	Thurs.	5	Wed.	1	Tues.	7	Mon.	3	Sun.

CANON OF S. HIPPOLYTUS.

(Dates from *Tables*, Jerusalem Civil Time.)

	A.D.		A.D.		A.D.		A.D.		A.D.		A.D.		A.D.	
1	222	April 14	238	April 16	254	April 19	270	April 22	286	April 26	302	April 29	318	May 2
2	223	„ 8	239	„ 6	255	„ 8	271	„ 12	287	„ 15	303	„ 18	319	April 21
3	224	„ 21	240	Mar. 25	256	Mar. 28	272	Mar. 31	288	„ 3	304	„ 6	320	„ 9
4	225	„ 10	241	April 13	257	April 16	273	April 19	289	„ 22	305	„ 25	321	„ 28
5	226	Mar. 30	242	„ 3	258	„ 6	274	„ 9	290	„ 12	306	„ 15	322	„ 18
6	227	„ 20	243	Mar. 23	259	Mar. 26	275	Mar. 29	291	„ 1	307	„ 4	323	„ 7
7	228	April 7	244	April 10	260	April 12	276	April 16	292	„ 19	308	„ 22	324	„ 25
8	229	Mar. 27	245	Mar. 30	261	„ 2	277	„ 5	293	„ 8	309	„ 11	325	„ 14
9	230	April 15	246	April 18	262	April 21	278	April 24	294	April 27	310	April 30	326	May 3
10	231	„ 5	247	„ 7	263	„ 10	279	„ 13	295	„ 16	311	„ 19	327	April 23
11	232	Mar. 24	248	Mar. 27	264	Mar. 30	280	„ 2	296	„ 5	312	„ 8	328	„ 11
12	233	April 12	249	April 15	265	April 18	281	„ 21	297	„ 24	313	„ 27	329	„ 30
13	234	„ 1	250	„ 4	266	„ 7	282	„ 10	298	„ 13	314	„ 16	330	„ 19
14	235	Mar. 21	251	Mar. 24	267	Mar. 27	283	Mar. 30	299	„ 2	315	„ 6	331	„ 9
15	236	April 8	252	April 11	268	April 14	284	April 17	300	„ 20	316	„ 23	332	„ 26
16	237	Mar. 29	253	„ 1	269	„ 4	285	„ 7	301	„ 10	317	„ 13	333	„ 16

a

EPACT IN THE CHRISTIAN CALENDAR.

In our modern calendar the epact for the year is given. The application of the dates in the *Tables* to the Christian calendar of past times casts interesting light on the origin of the ecclesiastical use of epact, or the time when it was first introduced from the Greek into the Christian calendar.

A discovery of the errors of the Octaëteris, and other similar cycles, led to the employment of epact. In old style the epact was *the age of the moon* on the first possible location of Easter day, the 22nd of March; in new style epact means the age of the moon on the 1st of January. The excess of the solar year above the lunar is 10 d. 21 h. In case the new moon falls on the 1st of January, its age on the following 1st of January will be 10 d. 21 h., or 11 days. In the second year it will be double this, or 22 days; and in the third year treble, or 31–32 days; of this quantity 29½ days will form an intercalary month, and the remaining 3 days will be the epact for the year.

In the course of the 19-years' lunar cycle, the epact for the contained years will be 11, 22, 3, 14, 25, 6, 17, 28, 9, 20, 1, 12, 23, 4, 15, 26, 7, 18, 29 days. In the following table *this series of epact amounts stands in the first column*, while the *true* age of the moon on the 22nd of March is shown in three 19-years' periods, separated by 532 years. (The period of 532 years consists of the 28-years' solar cycle of the week, multiplied by the 19-years' lunar cycle.) It will be seen that while a comparison of the epact quantities in the first column with the age of the moon in the *central* sixth century column reveals a correspondence, in the first century column the age of the moon on the 22nd of March falls *short* of the assigned epact by 2 days throughout, and in the eleventh century column the dates are 2 days in *excess*. The correspondence in the centre column indicates

the antiquity of the ecclesiastical calendar, and confirms the historical date of its origin.[1]

EPACT. OLD STYLE.

(Jerusalem Civil Time.)

Epact.	A.D.	Age of Mean Moon. March 22.		A.D.	Age of Mean Moon. March 22.		A.D.	Age of Mean Moon. March 22.	
d.		*d.*	*h.*		*d.*	*h.*		*d.*	*h.*
11	1	8	15	533	10	7	1065	12	0
22	2	19	6	534	20	23	1066	22	16
3	3	0	8	535	2	1	1067	3	18
14	4	11	23	536	13	16	1068	15	9
25	5	22	15	537	24	8	1069	26	0
6	6	3	17	538	5	10	1070	7	3
17	7	14	8	539	16	1	1071	17	18
28	8	25	23	540	27	16	1072	29	9
9	9	7	2	541	8	19	1073	10	12
20	10	17	17	542	19	10	1074	21	3
1	11	28	8	543	0	12	1075	2	5
12	12	10	11	544	12	4	1076	13	21
23	13	21	2	545	22	19	1077	24	12
4	14	2	4	546	3	21	1078	5	14
15	15	12	20	547	14	12	1079	16	5
26	16	24	11	548	26	4	1080	27	21
7	17	5	13	549	7	6	1081	8	23
18	18	16	4	550	17	21	1082	19	14
29	19	26	20	551	28	13	1083	0	17

[1] A simple and ingenious correction of the epact quantities employed in the calendar was proposed by Luilius, and adopted at the reformation of the calendar; it consisted of increasing the epact 1 day in 16 lunar cycles, or 304 years, or changing the epact series 11, 22, 3, etc., to 12, 23, 4, etc.

The lunar character of the Jewish Calendar is shown in the following table of the twelve months which constituted its year 5604, corresponding to Sept., 1843–Aug., 1844. The true new moons are from our Tables; and it will be noticed that the Jewish months fall a little later, and that they fairly agree with the dates of lunar phasis.

CALENDAR OF JEWISH YEAR 5604.

No. of Month.	True New Moons—*Tables*.				Jewish Months.	
	A.D. 1843.	*d.*	*h.*	*m.*		
I.	Sept.	24	0	58	Sept. 25	1st of Tisri
II.	Oct.	23	9	58	Oct. 25	„ Hesvan
III.	Nov.	21	19	54	Nov. 24	„ Kislev
IV.	Dec.	21	7	21	Dec. 24	„ Tebet
	A.D. 1844.					
V.	Jan.	19	20	21	Jan. 22	„ Sebat
VI.	Feb.	18	10	50	Feb. 21	„ Adar
VII.	Mar.	19	2	30	Mar. 21	„ Nisan
VIII.	April	17	18	58	April 19	„ Yiar
IX.	May	17	11	10	May 19	„ Sivan
X.	June	16	2	35	June 18	„ Tamuz
XI.	July	15	16	30	July 17	„ Ab
XII.	Aug.	14	4	45	Aug. 16	„ Elul

SOLAR AND LUNAR CYCLES.

3. Having shown the use of the *Tables* in the verification of particular dates, and of series of dates, it remains to exhibit their use *in tracing lunar and solar cycles.*

The 49-years' Jubilee cycle, employed in early times by the Jews, has an error which accumulates to 1 month in 22 Jubilees, or 1078 years. In the following table the accumulation of the error can be seen at a glance, and its correction in the 1078 years' cycle.

1078-YEARS' LUNAR CYCLE.

CORRECTING THE ERROR OF THE 49-YEARS' JUBILEE CYCLE.
JERUSALEM CIVIL TIME, O.S.

No.	Years.	B.C.	Vernal Equinox.			Mean New Moon.		
				d.	*h.*		*d.*	*h.*
		1622	April	5	5	April	5	5
1	49	1573	"	4	2	"	2	18
2	98	1524	"	3	23	"	1	7
3	147	1475	"	3	20	March	30	19
4	196	1426	"	3	17	"	29	8
5	245	1377	"	2	13	"	26	21
6	294	1328	"	2	10	"	25	10
7	343	1279	"	2	7	"	23	23
8	392	1230	"	2	4	"	22	12
9	441	1181	"	1	1	"	20	1
10	490	1132	March	31	22	"	18	14
11	539	1083	"	31	19	"	17	3
12	588	1034	"	31	16	"	15	16
13	637	985	"	30	12	"	13	5
14	686	936	"	30	9	"	11	18
15	735	887	"	30	6	"	10	7
16	784	838	"	30	3	"	8	20
17	833	789	"	29	0	"	6	8
18	882	740	"	28	21	"	4	21
19	931	691	"	28	18	"	3	10
20	980	642	"	28	15	"	1	23
21	1029	593	"	27	11	"	29	1
22	1078	544	"	27	8	"	27	14

We referred in the opening pages of this introduction to the 84-years' cycle employed at a later date by the Jews, and to the correction of its error in the period of 1260 years. In the subjoined table of this correction the agreement of the vernal equinox and mean new moon will be noticed at the beginning, the growth of the divergence to a month in the intervening dates, and the correspondence at the close.

1260 YEARS' CYCLE.

CORRECTING THE ERROR OF THE 84-YEARS' LUNAR CYCLE.

JERUSALEM CIVIL TIME, O.S.

No.	Years.	B.C.	Vernal Equinox.			Mean New Moon.		
				d.	*h.*		*d.*	*h.*
		601	March .	27	18	March .	27	12
1	84	517	" .	26	21	" .	28	19
2	168	433	" .	26	6	" .	30	2
3	252	349	" .	25	14	" .	31	9
4	336	265	" .	24	22	April .	1	16
5	420	181	" .	24	7	" .	2	22
6	504	97	" .	23	15	" .	4	5
7	588	13	" .	22	23	" .	5	12
		A.D.						
8	672	72	" .	22	8	" .	6	19
9	756	156	" .	21	16	" .	8	2
10	840	240	" .	21	0	" .	9	8
11	924	324	" .	20	9	" .	10	15
12	1008	408	" .	19	17	" .	11	22
13	1092	492	" .	19	2	" .	13	5
14	1176	576	" .	18	10	" .	14	12
15	1260	660	" .	17	18	March .	17	6

We have already referred to the error of the 19-years' lunar cycle employed in the Greek, Jewish, and Christian Calendars, and to its primary correction in the 2300-years' cycle. The subjoined table exhibits this correction. The error amounts to 1 day in 11 lunar cycles, or 209 years, and consequently to 11 days in 11 cycles, when it equals the epact of the 2300th year. The growth of the error and its correction can be seen at a glance in the subjoined table for 2300 years, beginning with the new moon and vernal equinox of B.C. 457, and terminating with the new moon and vernal equinox of A.D. 1844.

The first and last new moon in the 2300-years' cycle preceded the equinox by a single day, but the phasis, or appearance of the new moon, in each case coincided with the day of the equinox.

2300-YEARS' CYCLE.

CORRECTING THE ERROR OF THE 19-YEARS' METONIC CYCLE.

JERUSALEM CIVIL TIME, O.S.

No.	Years.	B.C.	Vernal Equinox.			Mean New Moon.		
				d.	*h.*		*d.*	*h.*
		457	Mar.	26	10	Mar.	25	12
1	209	248	„	25	1	„	25	2
2	418	39	„	23	16	„	24	16
		A.D.						
3	627	171	„	22	7	„	24	5
4	836	380	„	19	22	„	22	19
5	1045	589	„	18	13	„	22	9
6	1254	798	„	17	5	„	21	23
7	1463	1007	„	15	20	„	21	13
8	1672	1216	„	13	11	„	20	3
9	1881	1425	„	12	2	„	19	17
10	2090	1634	„	10	17	„	19	7
11	2299	1843	„	9	8	„	18	21
		1844	„	8	14	„	7	6

We terminate our brief examination of cycles connected with the principal calendars by tracing the 42 cycles of the Mohammedan Calendar, which extend from its starting point at the Hejira era, July 16, A.D. 622, to the year 1844. The Mohammedan Calendar is strictly lunar, and is based on a 30-years' cycle of the lunar month and solar day. Thirty lunar years are 360 months, or lunations, each month being reckoned at 29 d. 12 h. 44 m.' The fraction 12 h. 44 m., multiplied by 360, amounts to 191 d. 0 h. 0 m. Thus 360 lunations, or 30 lunar years, are 10,631 d. 0 h. 0 m., according to the Mohammedan Calendar, which omits the small remaining fraction of 3 seconds in the length of the lunation.

The first of Moharram in the calendar corresponds with the lunar *phasis*, and is preceded by the actual new moon throughout, as shown in the following table:—

42 LUNAR CYCLES OF THE MOHAMMEDAN CALENDAR.

No. Cycle.	Lunar Year.	A.D.	New Moon, *Tables.* Jerusalem Civil Time.				First day of Moharram. L'art de verifier les dates.		
				d.	*h.*				
1	1	622	July .	14	7	Wed.	July	16 . .	Fri.
2	31	651	Aug. .	22	8	Mon.	Aug.	24 . .	Wed.
3	61	680	Sept. .	28	16	Fri.	Oct.	1 . .	Mon.
4	91	709	Nov. .	6	13	Wed.	Nov.	9 . .	Sat.
5	121	738	Dec. .	15	22	Mon.	Dec.	18 . .	Th.
6	151	768	Jan. .	24	11	Sun.	Jan.	26 . .	Tu.
7	181	797	Mar. .	3	15	Fri.	Mar.	5 . .	Sun.
8	211	826	April.	11	6	Wed.	April	13 . .	Fri.
9	241	855	May .	19	19	Sun.	May	22 . .	Wed.
10	271	884	June .	26	18	Fri.	June	29 . .	Mon.
11	301	913	Aug. .	5	2	Th.	Aug.	7 . .	Sat.
12	331	942	Sept. .	13	9	Tu.	Sept.	15 . .	Th.
13	361	971	Oct. .	22	6	Sun.	Oct.	24 . .	Tu.
14	391	1000	Nov. .	28	21	Th.	Dec.	1 . .	Sun.
15	421	1029	Jan. .	6	20	Tu.	Jan.	9 . .	Fri.
16	451	1059	Feb. .	15	6	Mon.	Feb.	17 . .	Wed.
17	481	1088	Mar. .	25	16	Sat.	Mar.	27 . .	Mon.
18	511	1117	May .	3	17	Th.	May	5 . .	Sat.
19	541	1146	June .	11	5	Tu.	June	13 . .	Th.
20	571	1175	July .	19	18	Sat.	July	22 . .	Tu.
21	601	1204	Aug. .	26	19	Th.	Aug.	29 . .	Sun.
22	631	1233	Oct. .	5	6	Wed.	Oct.	7 . .	Fri.
23	661	1262	Nov. .	13	14	Mon.	Nov.	15 . .	Wed.
24	691	1291	Dec. .	22	12	Sat.	Dec.	24 . .	Mon.
25	721	1321	Jan. .	29	4	Th.	Jan.	31 . .	Sat.
26	751	1350	Mar. .	9	2	Tu.	Mar.	11 . .	Th.
27	781	1379	April.	17	10	Sun.	April	19 . .	Tu.
28	811	1408	May .	25	18	Fri.	May	27 . .	Sun.
29	841	1437	July .	3	16	Wed.	July	5 . .	Fri.
30	871	1466	Aug. .	11	4	Mon.	Aug.	13 . .	Wed.
31	901	1495	Sept. .	18	19	Fri.	Sept.	21 . .	Mon.
32	931	1524	Oct. .	27	1	Th.	Oct.	29 . .	Sat.
33	961	1553	Dec. .	5	13	Tu.	Dec.	7 . .	Th.
34	991	1583	Jan. .	13	22	Sun.	Jan.	15, O.S.	Tu.
							"	25, N.S.	
35	1021	1612	Feb. .	21	18	Fri.	Feb.	23 . .	Sun.
							Mar.	4 . .	
36	1051	1641	Mar. .	31	7	Wed.	April	2 . .	Fri.
							"	12 . .	
37	1081	1670	May .	9	5	Mon.	May	11 . .	Wed.
							"	21 . .	
38	1111	1699	June .	17	11	Sat.	June	19 . .	Mon.
							"	29 . .	
39	1141	1728	July .	25	18	Th.	July	27 . .	Sat.
							Aug.	7 . .	
40	1171	1757	Sept. .	2	16	Tu.	Sept.	4 . .	Th.
							"	15 . .	
41	1201	1786	Oct. .	11	5	Sun.	Oct.	13 . .	Tu.
							"	24 . .	
42	1231	1815	Nov. .	19	1	Fri.	Nov.	21 . .	Sun.
							Dec.	3 . .	
	1260	1844	Jan. .	7	20	Fri.	Jan.	10 . .	Mon.
							"	22 . .	

4. The principal use of the *Tables* is the demonstration they afford of the astronomic character and value of the periods 1,260 and 2,300 years, and of their difference 1,040 years; periods shown to be solar and lunar cycles by the Swiss astronomer, De Cheseaux, more than a century ago.

The present volume of *Tables* confirms the remarkable conclusions reached by De Cheseaux, and greatly enlarges the evidence of the accurate and far-reaching adjustment connecting these periods with solar and lunar revolutions. De Cheseaux proved that 1,260 and 2,300 tropical years, and their difference 1,040 years, are cycles of synodic months and solar or equinoctial years, and that the latter is the largest accurate cycle of this order known, besides being a cycle of the solar day and solar year. The present volume of *Tables* proves that 2,300 years has a cyclical connection with solar and lunar *anomaly*, that it is a cycle of the anomalistic month, with the synodic month and solar year, and also measures 40 days of the *annus magnus* of the revolution of the solar perigee with reference to the equinoxes; and that therefore it is possible to deduce from these periods not only the measures of the synodic month and tropical year, but those of the *anomalistic month and anomalistic year*, and that with such correctness as to afford a basis for the computation of astronomic tables of equinoxes, and new and full moons, both mean and true, for any required period.

More than 100,000 solar and lunar dates, extending over 3,555 years, have been calculated from these remarkable cycles, and are tabulated in this volume; namely 101,217 vernal equinoxes, and new and full moons, mean and true, occupying 627 pages of printed matter. The correctness of the *Tables* is amply confirmed by the correspondence of their dates of new and full moons with those of more than 12,000 solar and lunar eclipses in Oppolzer's invaluable *Canon der Finsternisse.*

Finding M. de Cheseaux's work in the British Museum, and having had it carefully transcribed, I submitted the copy to the examination of the late Professor J. C. Adams, of Cambridge, in the year 1878. While verifying De Cheseaux's calculations as to the cyclical character of the periods 1,260, 2,300, and 1,040 years, Professor Adams pointed out that De Cheseaux had erred in supposing "that the excentricity of the earth's orbit was the same in the time of Daniel as in his own time, whereas it was very sensibly greater." De Cheseaux's error on this point, which arose from the imperfection of astronomic knowledge on the subject in his day, certainly vitiated his attempt to derive from these cycles the five elements of the solar theory; in his own words, to deduce "les cinq elements de la Theorie du Soleil, d'une manière autant et plus exacte, que par les meilleures methodes astronomiques." Within the last century, Laplace, Leverrier, Adams, Hansen, Plana, De Pontécoulant, and other astronomers have devoted much attention to the question of the diminution of the excentricity of the earth's orbit, and have not only established the change of excentricity and measured its rate, but have traced out its cause and its effects; that it is "due to the combined action of all the other planets," and is the cause of *the secular acceleration of the moon's mean motion*, a change which is "one of the most curious and instructive in the range" of physical astronomy, "one which leads our speculations farther into the past and future, and points to longer vistas in the dim perspective of changes which our system has undergone, and is yet to undergo, than any other which observation, assisted by theory, has developed."[1] The moon is now "about a degree ahead of where she ought to have been had her motion been uniform from the time of Hipparchus and Ptolemy."[2] The investigations of Pro-

[1] *Outlines of Astron.*, Sir J. Herschel, art. 740.
[2] Newcomb, *Astron.*, p. 96.

fessor Adams have shown that the account received by astronomers of the cause of lunar acceleration was incomplete, and explained only half the acceleration. Delaunay, the French mathematical astronomer, traced the remaining effect to "tidal friction" as reducing the rate of the earth's axial revolution.

A consequence of the secular acceleration of the moon's mean motion is that the value of the synodic month, generally accepted by astronomers in the present day, 29*d.* 12*h.* 44*m.* 2·84*s.*, or 29·5305887 days, yields results which *require correction* for distant periods, past or future. It is impossible to assign any period as the exact measure of the synodic month which will hold good for all time. In adopting as the measure of the synodic month, at the base of the present *Tables*, a period slightly larger than the above, derived directly from the 1,040 years' cycle, viz., 29*d.* 12*h.* 44*m.* 3*s.* 6*thirds*, or 29·5305916,[1] we employ a measure which, in the absence of any correction for secular inequalities, *yields better results*[2] than the best and most accurate measures of the lunation now used by astronomers.

In illustration of this we may point to the dates in the present *Tables* of the mean new moons in the fourth century, when the Christian Calendar now in use took its rise. Calculating the date of the first mean new moon in A.D. 301 (Jerusalem civil time) by the tables in the *Encyclopædia Britannica*, and *correcting for secular inequalities*, we reach results which closely agree with the date of the mean new moon in our *Tables*.

[1] Exceeding 29·5305887 by ·0000029, a fraction of a single second.

[2] For past dates.

	d.	*h.*	*m.*	*s.*
A.D. 1801. January	14	7	39	9
— 1500.	11	12	25	59
	25	20	5	8
Correction, Long. Jerusalem		+ 2	21	0
„ Civil Time . . .		+12	0	0
	26	10	26	8
Correction, Secular Equations		− 1	18	33
A.D. 301. January	26	9	7	35

On comparing the result here with our *Tables*, we find a close agreement with our *uncorrected mean new moon* for the same date. The first mean new moon, A.D. 301, in our *Tables* is January 26*d.* 9*h.* 7*m.* The agreement of our mean new moon with the *corrected* mean new moon of the *Encyclopædia Britannica*, proves that the 1,040 years' cycle, from which we derive our measures, is closely adjusted to the chronology of the century distinguished by the institution of the Christian Calendar.[1]

In order to show this fact we have calculated by the astronomical tables in the *Encyclopædia Britannica*, 7th edition, the date of the first mean new moon in each century from A.D. 1801 to B.C. 800, *applying in every case the secular corrections*, which run from 0*h.* 0*m.* 0*s.* in 1801, to 3*h.* 52*m.* 5*s.* in B.C. 800. We have then compared the series of dates thus obtained with the mean new moons in our *Tables* for the same period, and find the following differences :—

[1] The date of the Council of Nice was A.D. 325.

FIRST MEAN NEW MOON IN EACH CENTURY.

DIFFERENCES OF THE DATES IN OUR *TABLES* FROM THOSE CALCULATED FROM TABLES IN *ENCYCLOPÆDIA BRITANNICA*, CORRECTED BY SECULAR EQUATIONS.

A.D.	Differences.			A.D.	Differences.		
	h.	*m.*	*s.*		*h.*	*m.*	*s.*
1801	−0	2	0	201	+0	4	20
1701	−0	5	39	101	+0	11	35
1601	−0	9	35	1	+0	18	36
1501	−0	13	48	B.C.			
1401	−0	16	19	100	+0	26	16
1301	−0	18	9	200	+0	33	35
1201	−0	19	16	300	+0	42	33
1101	−0	20	41	400	+0	51	11
1001	−0	20	25	500	+1	2	27
901	−0	19	28	600	+1	12	21
801	−0	17	50	700	+1	23	54
701	−0	15	30	800	+1	35	
601	−0	13	30				
501	−0	10	50				
401	−0	5	29				
301	−0	0					

The adjustment of the measures of the lunation derived from the 1,040 years' cycle to the uses of the Christian Calendar is proved by the fact that *the error resulting from their employment nowhere exceeds* 20 *minutes.* Employing these measures, and starting with the month of March, A.D. 1844, we reach an error of 2 minutes in 1801; the error grows to 20 minutes in A.D. 1101, and then diminishes to 0*h.* 0*m.* in A.D. 301, increasing again to 18½ minutes in A.D. 1.

In computing the long series of lunar dates contained in our *Tables*, the saving of time and labour by *dispensing with the use of secular equations* has been very great. When employing our *Tables*, those who are desirous of greater accuracy than they afford can apply the needed corrections, but the errors we have indicated may well be considered as

too small to affect injuriously the value of the *Tables* for all ordinary chronological purposes.

On page xvii. the first solar eclipse of each century from B.C. 1100 to A.D. 1900, as stated in Oppolzer's *Canon*, is compared with the corresponding true new moon of our *Tables*. It will be observed that while the mean difference between the two series of new moons is −10 minutes, the *minus* differences prevail in the second half of the series, and the *plus* differences in the first half. This agrees with the result we have just exhibited of employing a measure of the synodic month derived from the 1,040 years' cycle, exceeding by a fraction of a second that used by Oppolzer and other modern astronomers. Though thus slightly exceeding the lunation of the most modern tables, our measure of the synodic month is in fairly close agreement with the lunation of lunar tables of a little older date.

LUNATION.

	d.	*h.*	*m.*	*s.*	″′	″″
Ferguson's Tables . .	29	12	44	3	2	58
From 1,040 Years' Cycle	29	12	44	3	6	57

10,000 LUNATIONS.

	d.	*h.*	*m.*	*s.*	″′
Ferguson's Tables . .	295,305	21	48	15	20
From 1,040 Years' Cycle	295,305	21	59	19	8

The mean of the lunations used by Cassini, Flamsteed, De la Hire, Bouillaud, Tycho, etc., as shown by De Cheseaux, has no sensible difference from the measure yielded by the 1040 years' cycle.

A word in conclusion as to the labour and care with which the present *Tables* have been computed. The whole of the new moons from B.C. 747 to A.D. 1934, and also of the vernal equinoxes for the same period, have been *twice computed*, and the results carefully compared throughout.

The first calculation of the true new moons was made on Houzeau's method "du calcul rapide des phases lunaires, à l'usage des personnes qui s'occupent d'ètudes historiques," based on the 7,412 days' anomalistic cycle, containing 251 synodic and 269 anomalistic months. This extensive table was calculated for me under the supervision of E. Walter Maunder, Esq., F.R.A.S., Secretary of the Royal Astronomical Society. Though valuable as a first draft, and as a means of checking the correctness of later work, the table, owing to its method of calculation, was less accurate than that presented in this volume; it was also less extensive, as commencing with B.C. 747 (date of the Nabonassar Era), whereas the present *Tables* ascend 875 years further to the probable date of the Exodus, B.C. 1622.

In the preparation of the present *Tables* I have had the assistance of a very careful computer, Mr. Thomas Wright, of the Nautical Almanac Office, who has also corrected the proofs as the work passed through the press. As an indication of the general accuracy of the work I may refer to the test of the mean new moons of the tables afforded by the 1040 years' cycle. Applied at any point the lunar cycle of 1,040 years shows a correspondence of the mean new moons at its commencement and close. The anticipation of the Julian equinox in 1,040 years is just 8 days; allowing for this, it will be found that the new moons correspond with remarkable accuracy.

CORRESPONDENCE OF MEAN NEW MOONS IN THE 1040 YEARS' LUNAR CYCLE.

A.D.		d.	h.	m.	A.D.		d.	h.	m.
826	Mar. .	20	9	27	1866	Mar. .	12	9	27
	April .	18	22	11		April .	10	22	11
	May. .	18	10	55		May. .	10	10	55
	June .	16	23	39		June .	8	23	39
	July. .	16	12	23		July .	8	12	23
	Aug. .	15	1	7		Aug. .	7	1	7
	Sept. .	13	13	51		Sept. .	5	13	51
	Oct. . .	13	2	35		Oct. . .	5	2	35
	Nov. .	11	15	19		Nov. .	3	15	19
	Dec. . .	11	4	3		Dec. . .	3	4	3

B.C.	Mean New Moon.	d.	h.	m.	Difference. d.	h.	m.
1622	April . .	5	5	12	8	0	0
582	March .	28	5	12			
1046	Sept. . .	21	8	2	8	0	0
6	Sept. . .	13	8	2			
1012	March .	12	0	0	8	0	0
A.D. 29	March .	4	0	0			
B.C. 82	Jan. . .	20	8	1	8	0	0
A.D. 959	Jan. . .	12	8	1			
29	March .	4	0	0	8	0	0
1069	Feb. . .	24	0	0			
622	July . .	14	0	17	8	0	0
1662	July . .	6	0	17			
894	Oct. . .	3	12	19	8	0	0
1934	Sept. . .	25	12	19			

We will close this Introduction by citing the testimony of one or two competent witnesses as to the intimate connection of Natural and Revealed Chronology.

In the chapter on Chronological Astronomy, contained in the fourth edition of his *Handbook of Astronomy*, George F. Chambers, F.R.A.S., after giving an account of De Cheseaux's discoveries brought under public notice in my works, and also of some of my investigations in the same direction, adds the following reflections: "Such are some of the adjustments which astronomy discloses between the prophetic times and the periods which affect the material universe. They are adjustments of such a character as only modern science, with its instruments of exact precision, could discover, and were of necessity unknown to the prophets of bygone ages. The periods which the prophets foretold as destined to measure cycles of moral harmonization are themselves cycles of material harmonization. There is a mutual adjustment between the material and moral worlds. The course of revealed Redemption chronology, Levitical and Prophetic, is in profound and exact agreement in all its details and all its extent with the Time Order of the Universe."[1]

We will conclude with a sentence from De Cheseaux's treatise on the astronomical character of the prophetic times in the Book of Daniel. "For many ages the Book of Daniel, and especially these passages of it, have been quoted and commented on by numerous and varied authors, so that it is impossible for a moment to call in question their antiquity. Who can have taught their author the marvellous relation of the periods he selected with soli-lunar revolutions? Is it possible, considering all these points, to fail to recognise in the Author of the Book of Daniel, the Creator of the heavens and all their hosts, of the earth and the things that are therein?"

[1] Vol. II., p. 467.

ERRATUM.—p. 614, *for* "1855, May 1. 6. 28," *read* "May 2. 6. 28."

SUPPLEMENTARY NOTES BY MR. MARTH ON THE EQUINOX DATES, AND LENGTH OF THE EQUINOCTIAL YEAR.

THE Vernal Equinoxes in this volume are all *mean* Vernal Equinoxes. A Table has been computed by Mr. Marth, which we append, to exhibit the correction they require for the times (approximately stated) of the *true* Vernal Equinoxes.

"What is the real time of the Equinox? It is the time when the plane of the Earth's equator apparently passes through the Sun's centre, or when the geocentric declination of the Sun is 0°. About the time of the Equinox the hourly rate of change of declination is about 1′, or in one minute of time the declination changes about 1″. The determination of the time of the Equinox is accordingly a rather complicated problem, and Bradley's observations in the middle of the last century are really the first which nowadays can be used, the remaining errors at the Vernal Equinox being fortunately counteracted by those of the Autumnal Equinox. The differences of the times of successive Equinoxes vary considerably, as may be easily found by comparing the times given in the *Nautical Almanac* up to 1875, since later on the times are only given to the nearest hour. Yet the length of the sidereal solar year does not change, and that of the tropical year only changes on account of the precession changing. For the solar year is determined by the Sun's *mean* longitudes reckoned from the mean Equinox, and these are deduced from the observed longitudes by taking all the perturbations, and especially the eccentricity, of the earth's orbit duly into account. If all the smaller perturbations are neglected, and only the eccentricity and the shifting of the perigee are taken into account, the times between successive Vernal and Autumnal Equinoxes and the length of the tropical year may be found in the following

computation deduced from Le Verrier's Tables, which are certainly the most trustworthy at present, though they may be supplanted before long by Newcomb's new ones, which will take into account the observations of the last forty years. By looking over the differences of the Equinoxes, it is seen that for the Vernal Equinoxes the differences increase, as they have done since B.C. 3000, when they were at a minimum $48^m\ 20^s{\cdot}8$; while the differences of the Autumnal Equinoxes decrease rather faster than the length of the tropical year."

LENGTH OF THE TROPICAL YEAR AT DIFFERENT DATES, COMPUTED FROM LEVERRIER'S TABLES."

	Length of Tropical Year.				Vernal Equinoxes.			Autumnal Equinoxes.		
	d.	*h.*	*m.*	*s.*	*h.*	*m.*	*s.*	*h.*	*m.*	*s.*
B.C. 1608	365	5	49	4·69	5	48	27·4	5	49	42·3
1498				4·07			28·0			40·2
1378				3·45			28·6			38·0
1263				2·83			29·4			35·8
1148				2·21			30·2			33·6
1033				1·59			31·1			31·5
918				0·97			32·1			29·4
803			49	0·35			33·2			27·4
688			48	59·73			34·5			25·4
573				59·11			35·7			23·3
458				58·49			37·0			21·3
343				57·86			38·3			19·1
228				57·24			39·5			16·9
B.C. 113				56·68			40·6			14·6
A.D. 3	365	5	48	56·00	5	48	41·8	5	49	12·2
118				55·38			42·8			9·7
233				54·76			43·8			7·1
348				54·14			44·8			4·5
463				53·52			45·8		49	1·9
578				52·90			46·8		48	59·4
693				52·23			47·9			56·9
808				51·66			49·1			54·5
923				51·04			50·5			52·3
1038				50·42			51·8			50·0
1153				49·80			53·1			47·8
1268				49·18			54·5			45·4
1383				48·56			55·8			43·2
1498				47·94			57·0			41·0
1613				47·32			58·2			38·8
1728				46·70			59·2			36·4
1843				46·08		49	0·2			33·9
1958				45·46			1·0			31·4
2073	365	5	48	44·84	5	49	1·9	5	48	28·9

VERNAL EQUINOX DIFFERENCES.

The differences of the times are rather variable, as a comparison of the times given in the *Nautical Almanac* shows.

	Vernal Equinoxes.						Differences.
		d.	*h.*	*m.*			
1836	March	20	1	39	Greenwich.		*m.*
1840	„	„	0	41			−58
1844	„	19	23	55			−46
1848	„	„	23	19			−36
1852	„	„	22	42			−37
1856	„	„	21	49			−53
1860	„	„	21	5			−44
1864	„	„	20	10			−55
1868	„	„	19	43			−27
1872	„	„	18	57			−46

If one is content to get the times within some twenty minutes, so that the places of the moon and planets need not be taken into consideration, the computation becomes simple, and requires merely proper interpolation, as the data can be taken from R. Schram's "Hilfstafeln für Chronologie," in vol. xlv. of the *Denkschriften* of the Vienna Academy. In the following computation I give the list of the days when the sun enters Aries from Schram's Tables, after having converted the days of the Julian period into those of the ordinary Julian Calendar. The intervals of 42,002·8 days are those of 115 years, so that the correction is best effected by interpolating for intervals of twenty-three years, or for five sub-intervals, taking the second differences duly into account, and then interpolating for the single years. The comparison of the resulting times with those of the Tables shows the correction required by the latter in the last column.

TABLE OF CORRECTIONS OF THE MEAN VERNAL EQUINOXES OF THIS VOLUME FOR DATES OF TRUE VERNAL EQUINOXES.

R. Schram, "Hilfstafeln für Chronologie." P. 10.

The dates in the first column are reduced from days of the Julian Period to the dates of the Julian calendar, and ·6158 is added (·59791 = 14 h. 21 m. for the reduction from Greenwich astronomical time to Jerusalem Civil Time, and ·01788 for the added constants).

	Vernal Equinox. Jerusalem Civil Time. Old Style.			Schram.				Tables.			Correction.	
B.C.					d.	h.	m.	d.	h.	m.	h.	m.
1608	Apr.	4·8978		Apr.	4	21	38	14	56		+6	37
			42002·8285									
1498	„	3·7263	8	„	3	17	26	11	30		5	56
			·8298									
1378	„	3·5556	9	„	3	13	20	8	6		5	14
			·8302									
1263	„	2·3858	11	„	2	9	16	4	41		4	35
			·8313									
1148	„	1·2171	10	„	1	5	13	1	16		3	57
			·8323									
1033	Mar.	31·0494	14	Mar.	31	1	11	30	21	51	3	20
			·8337									
918	„	30·8831	14	„	30	21	12	18	26		2	46
			·8351									
803	„	29·7182	16	„	29	17	14	15	1		2	13
			·8367									
688	„	28·5549	17	„	28	13	19	11	36		1	43
			·8384									
573	„	27·3933	17	„	27	9	26	8	11		1	15
			·8401									
458	„	27·2334	17	„	27	5	36	4	46		0	50
			·8418									
343	„	26·0752	17	„	26	1	48	1	21		0	27
			·8435									
228	„	24·9187	15	„	24	22	3	21	57		+0	6
			·8450									
113	„	23·7637	15	„	23	18	20	18	31		−0	11
A.D.			42002·8465									
3	„	23·6102	15	„	23	14	39	15	7		0	28
			·8460									
118	„	22·4582	12	„	22	11	0	11	42		0	42
			·8492									
233	„	21·3074	14	„	21	7	23	8	17		0	54
			·8506									
348	„	20·1580	13	„	20	3	48	4	52		1	4
			·8519									
463	„	20·0099	13	„	20	0	14	1	27		1	13
			·8532									
578	„	18·8631	15	„	18	20	43	22	2		−1	19
			·8547									

	Vernal Equinox. Jerusalem Civil Time. Old Style.		Schram.				Tables.		Correction	
B.C.				d.	h.	m.	h.	m.	h.	m.
693	Mar. 17·7178	15 ·8562	Mar.	17	17	14	18	37	−1	23
808	„ 16·5740	17 ·8579	„	16	13	47	15	12	1	25
923	„ 16·4319	18 ·8597	„	16	10	22	11	47	1	25
1038	„ 15·2916	17 ·8614	„	15	7	0	8	22	1	22
1153	„ 14·1530	19 ·8633	„	14	3	40	4	57	1	17
1268	„ 13·0163	17 ·8650	„	13	0	23	1	32	1	9
1383	„ 12·8813	18 ·8668	„	12	21	9	22	7	0	58
1498	„ 11·7481	16 ·8684	„	11	17	57	18	42	0	45
1613	„ 10·6165	14 ·8698	„	10	14	48	15	17	0	27
1728	„ 9·4863	14 ·8712	„	9	11	40	11	53	−0	13
1843	„ 9·3575	11 42002·8723	„	9	8	35	8	27	+0	8
1958	„ 8·2298									

DATES OF EQUINOXES AND SOLSTICES, B.C. 552.

"I have computed the times of the Equinoxes and Solstices for the year B.C. 552, and find they agree with those of Schram. When were Professor Adams' computations made? or what Tables did he employ? By Schram's Tables, taking into account the six smaller terms, I find—

			d.	h.	m.	
B.C.	Vernal Equinox .	March	27	11	31	Jerusalem Civil Time.
	Summer Solstice .	June	29	15	6	
	Autumnal Equinox .	Sept.	29	15	33	
	Winter Solstice .	Dec.	27	4	0	

NOTES ON PROFESSOR ADAMS' COMPUTATION.

The examination of De Cheseaux' calculations by Professor Adams as to the dates of the Equinoxes and Solstices B.C. 552, was made for the author of the present work in 1878. In a

letter published at the time in the introduction to *The Approaching End of the Age,* Professor Adams says :—

"I have calculated very approximately the times of the Equinoxes and Solstices for the year B.C. 552, which is that given by De Cheseaux as the year of Daniel's vision, and I find the following results expressed in mean time at Jerusalem, reckoned from midnight.

		d.	*h.*	*m.*
Vernal Equinox . . .	March	27	8	2
Summer Solstice . . .	June	29	11	39
Autumnal Equinox . . .	Sept.	29	11	51
Winter Solstice . . .	Dec.	27	0	17

Professor Adams did not mention what Tables he employed. On the variance of the two computations, Mr. Marth writes, "A difference of 3½ or 3¾ hours seems due to some error which may indeed occur in sporadic computations if one does not check them in several ways. I have tried to find the cause of the discrepancy, but have not succeeded in hitting upon a plausible conjecture which might serve as an explanation."

MEAN AND TRUE LONGITUDE OF THE SUN AT THE NABONASSAR ERA, COMPUTED BY MR. MARTH.

"I have computed from Leverrier's Solar Tables the place of the Sun for—746, February 26th (B.C. 747), and find,—

	Alexandria, noon.
Mean Longitude	327° 58′ 31·7″
Equation of Centre	+2° 2′ 42·0″
True Longitude	330° 1′ 13·7″

"The equation of the centre is near its maximum, the perigee being in 236° 12·5′, and the eccentricity was at that time greater than at present.

"A. MARTH."

TABLE

OF

VERNAL EQUINOXES AND NEW MOONS

IN

"OLD STYLE"

FROM B.C. 1622 TO A.D. 1934.

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1622. G.	JAN.	...	...	B.C. 1619. C.	JAN.	3 6 9	3 10 26
	FEB.	...	...		FEB.	1 18 53	2 4 33
April. d. h. m.	MAR.	...	...	April. d. h. m.	MAR.	3 7 38	3 20 20
5 5 32	APRIL	5 5 12	5 3 38	4 22 58	APRIL	1 20 22	2 9 10
	MAY	4 17 56	4 11 17		MAY	1 9 6 30 21 50	1 19 17 31 3 28
	JUNE	3 6 40	2 20 2		JUNE	29 10 34	29 10 46
	JULY	2 19 24	2 6 52 31 20 26		JULY	28 23 18	28 18 16
	AUG.	1 8 8 30 20 52	30 12 45		AUG.	27 12 2	27 2 55
	SEPT.	29 9 36	29 7 4		SEPT.	26 0 46	25 13 25
	OCT.	28 22 20	29 2 4		OCT.	25 13 30	25 2 11
	NOV.	27 11 4	27 20 14		NOV.	24 2 14	23 17 19
	DEC.	26 23 48	27 12 19		DEC.	23 14 58	23 10 18
1621. F.E.	JAN.	25 12 32	26 1 39	1618. B.	JAN.	22 3 42	22 4 16
	FEB.	24 1 16	24 12 16		FEB.	20 16 26	20 22 2
	MAR.	24 14 1	24 20 43		MAR.	22 5 11	22 14 24
4 11 21	APRIL	23 2 45	23 3 46	5 4 47	APRIL	20 17 55	21 4 36
	MAY	22 15 29	22 10 34		MAY	20 6 39	20 16 23
	JUNE	21 4 13	20 18 9		JUNE	18 19 23	19 2 11
	JULY	20 16 57	20 3 39		JULY	18 8 7	18 10 52
	AUG.	19 5 41	18 15 54		AUG.	16 20 51	16 19 22
	SEPT.	17 18 25	17 7 15		SEPT.	15 9 35	15 4 31
	OCT.	17 7 9	17 1 16		OCT.	14 22 19	14 14 50
	NOV.	15 19 58	15 20 44		NOV.	13 11 8	13 2 35
	DEC.	15 8 37	15 16 1		DEC.	12 23 47	12 15 54
1620. D.	JAN.	13 21 21	14 9 28	1617. A.G.	JAN.	11 12 31	11 6 33
	FEB.	12 10 5	13 0 7		FEB.	10 1 15	9 22 25
	MAR.	13 22 49	14 11 39		MAR.	10 13 59	10 14 47
4 17 10	APRIL	12 11 33	12 20 36	4 10 36	APRIL	9 2 43	9 6 57
	MAY	12 0 17	12 3 51		MAY	8 15 27	8 22 5
	JUNE	10 13 1	10 10 31		JUNE	7 4 11	7 11 41
	JULY	10 1 45	9 17 43		JULY	6 16 55	6 23 39
	AUG.	8 14 29	8 2 27		AUG.	5 5 39	5 10 22
	SEPT.	7 3 13	6 13 36		SEPT.	3 18 23	3 20 31
	OCT.	6 15 57	6 3 40		OCT.	3 7 7	3 6 39
	NOV.	5 4 41	4 20 28		NOV.	1 19 51	1 17 13
	DEC.	4 17 25	4 15 13		DEC.	1 8 35 30 21 19	1 4 18 30 15 58

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1616. F.	JAN. .	29 10 8	29 4 19	B.C. 1613. C.B.	JAN. .	27 1 18	27 10 47
	FEB. .	27 22 48	27 17 35		FEB. .	25 18 57	25 19 55
April. *d. h. m.*	MAR. .	29 11 32	29 7 50	April. *d. h. m.*	MAR. .	26 2 42	26 8 45
4 16 25	APRIL	28 0 16	27 22 53	4 9 51	APRIL	24 15 26	24 11 6
	MAY .	27 13 0	27 14 17		MAY .	24 4 10	23 19 3
	JUNE .	26 1 44	26 5 22		JUNE .	22 16 54	22 4 41
	JULY .	25 14 28	25 19 37		JULY .	22 5 38	21 16 51
	AUG. .	24 8 12	24 8 51		AUG. .	20 18 22	20 7 55
	SEPT. .	22 15 56	22 21 10		SEPT. .	19 7 6	19 1 31
	OCT. .	22 4 40	22 8 48		OCT. .	18 19 50	18 20 31
	NOV. .	20 17 24	20 19 58		NOV. .	17 8 31	17 15 25
	DEC. .	20 6 8	20 6 41		DEC. .	16 21 18	17 8 48
1615. E.	JAN. .	18 18 52	18 17 4	1612. A.	JAN. .	15 10 2	15 23 28
	FEB. .	17 7 36	17 3 22		FEB. .	13 22 46	14 11 18
	MAR. .	18 20 21	18 14 8		MAR. .	15 11 30	15 20 36
4 22 14	APRIL	17 9 5	17 1 58	4 15 40	APRIL	14 0 14	14 4 7
	MAY .	16 21 49	16 15 17		MAY .	13 12 58	13 10 52
	JUNE .	15 10 33	15 6 8		JUNE .	12 1 42	11 17 58
	JULY .	14 23 17	14 22 1		JULY .	11 14 26	11 2 20
	AUG. .	13 12 1	13 14 13		AUG. .	10 3 10	9 13 9
	SEPT. .	12 0 45	12 6 0		SEPT. .	8 15 54	8 3 3
	OCT. .	11 13 29	11 20 47		OCT. .	8 4 38	7 19 54
	NOV. .	10 2 13	10 10 17		NOV. .	6 17 22	6 14 52
	DEC. .	9 14 57	9 22 22		DEC. .	6 6 6	6 10 28
1614. D.	JAN. .	8 3 41	8 9 4	1611. G.	JAN. .	4 18 50	5 4 59
	FEB. .	6 16 25	6 18 34		FEB. .	3 7 34	3 21 3
	MAR. .	8 5 9	8 3 20		MAR. .	4 20 19	5 10 4
5 4 3	APRIL	6 17 53	6 12 8	4 21 29	APRIL	3 9 3	3 20 8
	MAY .	6 6 37	5 21 41		MAY .	2 21 47	3 4 5
	JUNE .	4 19 21	4 9 1		JUNE .	1 10 31 30 23 15	1 10 55 30 17 48
	JULY .	4 8 5	3 22 40		JULY .	30 11 59	30 1 44
	AUG. .	2 20 49	2 14 31		AUG. .	29 0 43	28 11 42
	SEPT. .	1 9 33 30 22 17	1 7 54		SEPT. .	27 13 27	27 0 21
	OCT. .	30 11 1	1 1 47 30 18 55		OCT. .	27 2 11	26 15 51
	NOV. .	28 23 45	29 10 25		NOV. .	25 14 55	25 9 43
	DEC. .	28 12 29	28 23 44		DEC. .	25 3 39	25 4 46

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1610. F. April. *d. h. m.* 5 3 18	JAN. .	23 16 23	23 23 28	B.C. 1607. B. April. *d. h. m.* 4 20 44	JAN. .	20 7 33	20 2 11
	FEB. .	22 5 7	22 16 25		FEB. .	18 20 17	18 14 39
	MAR. .	23 17 52	24 6 48		MAR. .	20 9 2	20 4 8
	APRIL	22 6 36	22 18 6		APRIL	18 21 46	18 18 35
	MAY .	21 19 20	22 3 11		MAY .	18 10 30	18 9 48
	JUNE .	20 8 4	20 10 54		JUNE .	16 23 14	17 1 10
	JULY .	19 20 48	19 18 20		JULY .	16 11 58	16 16 6
	AUG. .	18 9 32	18 2 28		AUG. .	15 0 42	15 6 9
	SEPT. .	16 22 16	16 12 6		SEPT. .	13 13 26	13 19 11
	OCT. .	16 11 0	15 23 47		OCT. .	13 2 10	13 7 23
	NOV. .	14 23 44	14 13 43		NOV. .	11 14 54	11 18 55
	DEC. .	14 12 28	14 5 42		DEC. .	11 3 38	11 5 51
1609. E.D.	JAN. .	13 1 12	12 23 6	1606. A.	JAN. .	9 16 22	9 16 15
	FEB. .	11 13 56	11 16 53		FEB. .	8 5 6	8 2 18
	MAR. .	12 2 40	12 9 56		MAR. .	9 17 50	9 12 28
4 9 7	APRIL	10 15 24	11 1 12	5 2 33	APRIL	8 6 34	7 23 25
	MAY .	10 4 8	10 14 12		MAY .	7 19 18	7 11 46
	JUNE .	8 16 52	9 1 2		JUNE .	6 8 2	6 1 47
	JULY .	8 5 36	8 10 21		JULY .	5 20 46	5 17 17
	AUG. .	6 18 20	6 19 3		AUG. .	4 9 30	4 9 37
	SEPT. .	5 7 4	5 4 0		SEPT. .	2 22 14	3 1 59
	OCT. .	4 19 48	4 13 50		OCT. .	2 10 58 31 23 42	2 17 37
	NOV. .	3 8 32	3 0 56				1 8 0 30 20 54
	DEC. .	2 21 16	2 13 23		NOV. .	30 12 26	
					DEC. .	30 1 10	30 8 15
1608. C.	JAN. .	1 10 0 30 22 44	1 3 12 30 18 14	1605. G.F.	JAN. .	28 13 54	28 18 10
	FEB. .	...	...		FEB. .	27 2 33	27 3 1
	MAR. .	1 11 29 31 0 13	1 10 9 31 2 18		MAR. .	27 15 23	27 11 27
4 14 56	APRIL	29 12 57	29 17 57	4 8 22	APRIL	26 4 7	25 20 17
	MAY .	29 1 41	29 8 21		MAY .	25 16 51	25 6 32
	JUNE .	27 14 25	27 21 21		JUNE .	24 5 35	23 18 56
	JULY .	27 3 9	27 8 53		JULY .	23 18 19	23 9 48
	AUG. .	25 15 53	25 19 30		AUG. .	22 7 3	22 2 42
	SEPT. .	24 4 37	24 5 50		SEPT. .	20 19 47	20 20 41
	OCT. .	23 17 21	23 16 20		OCT. .	20 8 31	20 14 32
	NOV. .	22 6 5	22 3 11		NOV. .	18 21 15	19 7 8
	DEC. .	21 18 49	21 14 26		DEC. .	18 9 59	18 21 39

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1604. E. April. *d. h. m.* 4 14 11	JAN. .	16 22 43	17 9 46	**B.C. 1601.** B.A. April. *d. h. m.* 4 7 37	JAN. .	14 13 54	14 18 6
	FEB. .	15 11 27	15 19 40		FEB. .	13 2 38	13 11 57
	MAR. .	17 0 12	17 8 53		MAR. .	13 15 22	14 8 31
	APRIL	15 12 56	15 11 12		APRIL	12 4 6	12 16 18
	MAY .	15 1 40	14 18 36		MAY .	11 16 50	12 2 29
	JUNE .	13 14 24	13 3 12		JUNE .	10 5 34	10 10 50
	JULY .	13 8 8	12 14 0		JULY .	9 18 18	9 18 25
	AUG. .	11 15 52	11 8 40		AUG. .	8 7 2	8 2 15
	SEPT. .	10 4 36	9 20 13		SEPT. .	6 19 46	6 11 14
	OCT. .	9 17 20	9 14 49		OCT. .	6 8 30	5 21 58
	NOV. .	8 6 4	8 9 45		NOV. .	4 21 14	4 10 46
	DEC. .	7 18 48	8 4 26		DEC. .	4 9 58	4 1 41
1603. D. 4 20 0	JAN. .	6 7 32	6 20 32	**1600.** G. 4 13 26	JAN. .	2 22 42	2 18 15
	FEB. .	4 20 16	5 9 46		FEB. .	1 11 26	1 11 45
	MAR. .	6 9 0	6 20 9		MAR. .	3 0 10	3 5 5
	APRIL	4 21 44	5 4 21		APRIL	1 12 54	1 21 13
	MAY .	4 10 28	4 11 16		MAY .	1 1 38 30 14 22	1 11 22 30 23 20
	JUNE .	2 23 12	2 17 58				
	JULY .	2 11 56	2 1 36 31 11 12		JUNE .	29 3 6	29 9 30
	AUG. .	1 0 40 30 13 24	29 23 36		JULY .	28 15 50	28 18 36
					AUG. .	27 4 34	27 3 34
	SEPT. .	29 2 8	28 15 5		SEPT. .	25 17 18	25 13 6
	OCT. .	28 14 52	28 9 11		OCT. .	25 6 2	24 23 39
	NOV. .	27 3 36	27 4 41		NOV. .	23 18 46	23 11 24
	DEC. .	26 16 20	26 23 54		DEC. .	23 7 30	23 0 22
1602. C. 5 1 49	JAN. .	25 5 4	25 17 15	**1599.** F. 4 19 15	JAN. .	21 20 14	21 14 33
	FEB. .	23 17 48	24 7 44		FEB. .	20 8 58	20 5 47
	MAR. .	25 6 33	25 19 10		MAR. .	21 21 43	21 21 39
	APRIL	23 19 17	24 4 2		APRIL	20 10 27	20 13 31
	MAY .	23 8 1	23 11 17		MAY .	19 23 11	20 4 38
	JUNE .	21 20 45	21 18 8		JUNE .	18 11 55	18 18 29
	JULY .	21 9 29	21 1 27		JULY .	18 0 39	18 6 54
	AUG. .	19 22 13	19 10 25		AUG. .	16 13 23	16 18 12
	SEPT. .	18 10 57	17 21 46		SEPT. .	15 2 7	15 4 53
	OCT. .	17 23 41	17 11 54		OCT. .	14 14 51	14 15 28
	NOV. .	16 12 25	16 4 38		NOV. .	13 3 35	13 2 12
	DEC. .	16 1 9	15 23 10		DEC. .	12 16 19	12 13 11

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1598. E.	JAN. .	11 5 8	11 0 28	B.C. 1595. A.	JAN. .	7 20 18	8 8 14
	FEB. .	9 17 47	9 12 16		FEB. .	6 8 57	6 19 5
April. *d. h. m.*	MAR. .	11 6 31	11 0 54	April. *d. h. m.*	MAR. .	7 21 41	8 8 54
5 1 4	APRIL	9 19 15	9 14 37	4 18 30	APRIL	6 10 25	6 11 28
	MAY .	9 7 59	9 5 21		MAY .	5 23 9	5 18 29
	JUNE .	7 20 43	7 20 44		JUNE .	4 11 53	4 2 17
	JULY .	7 9 27	7 12 5		JULY .	4 0 37	3 11 51
	AUG. .	5 22 11	6 2 53		AUG. .	2 13 21	2 0 6 / 31 15 20
	SEPT. .	4 10 55	4 16 44		SEPT. .	1 2 5 / 30 14 49	30 9 10
	OCT. .	3 23 39	4 5 36		OCT. .	30 3 33	30 4 25
	NOV. .	2 12 23	2 17 33		NOV. .	28 16 17	28 23 31
	DEC. .	2 1 7 / 31 13 51	2 4 55 / 31 15 30		DEC. .	28 5 1	28 16 52
1597. D.C.	JAN. .	30 2 35	30 1 27	1594. G.	JAN. .	26 17 45	27 7 33
	FEB. .	28 15 19	28 11 14		FEB. .	25 6 29	25 19 12
	MAR. .	29 4 4	28 21 28		MAR. .	26 19 14	27 4 18
4 6 58	APRIL	27 16 48	27 8 50	5 0 19	APRIL	25 7 58	25 11 39
	MAY .	27 5 32	26 21 51		MAY .	24 20 42	24 18 18
	JUNE .	25 18 16	25 12 40		JUNE .	23 9 26	23 1 21
	JULY .	25 7 0	25 4 50		JULY .	22 22 10	22 9 53
	AUG. .	23 19 44	23 21 32		AUG. .	21 10 54	20 20 53
	SEPT. .	22 8 28	22 13 58		SEPT. .	19 23 38	19 10 54
	OCT. .	21 21 12	22 5 12		OCT. .	19 12 22	19 3 52
	NOV. .	20 9 56	20 19 2		NOV. .	18 1 6	17 22 51
	DEC. .	19 22 40	20 7 9		DEC. .	17 13 50	17 18 23
1596. B.	JAN. .	18 11 24	18 17 39	1593. F.E.	JAN. .	16 2 31	16 12 47
	FEB. .	17 0 8	17 2 48		FEB. .	14 15 18	15 4 41
	MAR. .	18 12 53	18 11 7		MAR. .	15 4 8	15 17 33
4 12 41	APRIL	17 1 37	16 19 25	4 6 8	APRIL	13 16 47	14 3 33
	MAY .	16 14 21	16 4 42		MAY .	13 5 31	13 11 20
	JUNE .	15 3 5	14 15 53		JUNE .	11 18 15	11 18 25
	JULY .	14 15 49	14 5 32		JULY .	11 6 59	11 1 27
	AUG. .	13 4 33	12 21 35		AUG. .	9 19 43	9 9 39
	SEPT. .	11 17 17	11 15 22		SEPT. .	8 8 27	7 19 52
	OCT. .	11 6 1	11 9 40		OCT. .	7 21 11	7 8 38
	NOV. .	9 18 45	10 3 13		NOV. .	6 9 55	6 0 7
	DEC. .	9 7 29	9 18 56		DEC. .	5 22 39	5 17 47

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1592. D. April. d. h. m. 4 11 56	JAN. .	4 11 23	4 12 32	B.C. 1589. A.G. April d. h. m. 4 5 23	JAN. .	2 2 33 31 15 17	1 23 7 31 10 22
	FEB. .	3 0 7	3 6 56		FEB. .	...	29 22 14
	MAR. .	4 12 51	4 23 37		MAR. .	1 4 1 30 16 45	... 30 11 7
	APRIL	3 1 35	3 13 46		APRIL	29 5 29	29 1 10
	MAY .	2 14 19	3 1 12		MAY .	28 18 13	28 16 14
	JUNE .	1 3 3 30 15 47	1 10 27 30 18 24		JUNE .	27 6 57	27 7 47
	JULY .	30 4 31	30 2 11		JULY .	26 19 41	26 23 7
	AUG. .	28 17 15	28 10 41		AUG. .	25 8 25	25 13 45
	SEPT. .	27 5 59	26 20 37		SEPT. .	23 21 9	24 3 25
	OCT. .	26 18 43	26 8 25		OCT. .	23 9 53	23 16 6
	NOV. .	25 7 27	24 22 13		NOV. .	21 22 37	22 3 50
	DEC. .	24 20 11	24 13 51		DEC. .	21 11 21	21 14 43
1591. C. 4 17 45	JAN. .	23 8 55	23 6 45	1588. F. 4 11 12	JAN. .	20 0 5	20 0 47
	FEB. .	21 21 39	22 0 3		FEB. .	18 12 49	18 10 22
	MAR. .	23 10 24	23 16 46		MAR. .	20 1 34	19 20 2
	APRIL	21 23 8	22 7 54		APRIL	18 14 18	18 6 29
	MAY .	21 11 52	21 21 2		MAY .	18 3 2	17 18 23
	JUNE .	20 0 36	20 8 11		JUNE .	16 15 46	16 8 22
	JULY .	19 13 20	19 17 55		JULY .	16 4 30	16 0 0
	AUG. .	18 2 4	18 3 6		AUG. .	14 17 14	14 16 44
	SEPT. .	16 14 48	16 12 30		SEPT. .	13 5 58	13 9 38
	OCT. .	16 3 32	15 22 39		OCT. .	12 18 42	13 1 49
	NOV. .	14 16 16	14 9 48		NOV. .	11 7 26	11 16 37
	DEC. .	14 5 0	13 22 3		DEC. .	10 20 10	11 5 41
1590. B. 4 23 34	JAN. .	12 17 44	12 11 24	1587. E. 4 17 1	JAN. .	9 8 54	9 16 55
	FEB. .	11 6 28	11 1 50		FEB. .	7 21 38	8 2 32
	MAR. .	12 19 13	12 17 9		MAR. .	9 10 22	9 10 58
	APRIL	11 7 57	11 8 56		APRIL	7 23 6	7 18 57
	MAY .	10 20 41	11 0 26		MAY .	7 11 50	7 3 27
	JUNE .	9 9 25	9 15 4		JUNE .	6 0 34	5 13 23
	JULY .	8 22 9	9 4 24		JULY .	5 13 18	5 1 49
	AUG. .	7 10 53	7 16 30		AUG. .	4 2 2	3 16 47
	SEPT. .	5 23 37	6 3 41		SEPT. .	2 14 46	2 9 59
	OCT. .	5 12 21	5 14 30		OCT. .	2 3 30 31 16 14	2 4 22 31 22 40
	NOV. .	4 1 5	4 1 17		NOV. .	30 4 58	30 15 32
	DEC. .	3 13 49	3 12 8		DEC. .	29 17 42	30 6 7

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1586. D.	JAN. .	28 6 26	28 18 5	B.C. 1583. G.	JAN. .	24 21 36	25 1 35
	FEB. .	26 19 10	27 8 43		FEB. .	23 10 20	23 19 7
April. *d. h. m.*	MAR. .	28 7 55	28 11 38	April. *d. h. m.*	MAR. .	24 23 5	25 10 33
4 22 49	APRIL	26 20 39	26 18 41	4 16 16	APRIL	23 11 49	23 23 18
	MAY .	26 9 23	26 1 55		MAY .	23 0 33	23 9 37
	JUNE .	24 22 7	24 10 25		JUNE .	21 13 17	21 18 12
	JULY .	24 10 51	23 21 16		JULY .	21 2 1	21 2 9
	AUG. .	22 23 35	22 11 5		AUG. .	19 14 45	19 10 23
	SEPT. .	21 12 19	21 3 48		SEPT. .	18 3 29	17 19 42
	OCT. .	21 1 3	20 22 38		OCT. .	17 16 13	17 6 38
	NOV. .	19 13 47	19 18 6		NOV. .	16 4 57	15 19 24
	DEC. .	19 2 31	19 12 33		DEC. .	15 17 41	15 10 0
1585. C.B.	JAN. .	17 15 15	18 4 36	1582. F.	JAN. .	14 6 25	14 2 6
	FEB. .	16 8 59	16 17 41		FEB. .	12 19 9	12 19 4
	MAR. .	16 16 44	17 3 54		MAR. .	14 7 54	14 11 59
4 4 38	APRIL	15 5 28	15 11 55	4 22 5	APRIL	12 20 38	13 3 54
	MAY .	14 18 12	14 18 44		MAY .	12 9 22	12 18 5
	JUNE .	13 6 56	13 1 26		JUNE .	10 22 6	11 6 18
	JULY .	12 19 40	12 9 9		JULY .	10 10 50	10 16 52
	AUG. .	11 8 24	10 18 54		AUG. .	8 23 34	9 2 23
	SEPT. .	9 21 8	9 7 28		SEPT. .	7 12 18	7 11 55
	OCT. .	9 9 52	8 23 3		OCT. .	7 1 2	6 21 50
	NOV. .	7 22 36	7 17 11		NOV. .	5 13 46	5 8 33
	DEC. .	7 11 20	7 12 38		DEC. .	5 2 30	4 20 10
1584. A.	JAN. .	6 0 4	6 7 44	1581. E.D.	JAN. .	3 15 14	3 8 47
	FEB. .	4 12 48	5 0 54		FEB. .	2 3 58	1 22 21
	MAR. .	6 1 32	6 15 13		MAR. .	2 16 42	2 13 1
4 10 27	APRIL	4 14 16	5 2 31	4 3 54	APRIL	1 5 26 30 18 10	1 4 22 30 19 58
	MAY .	4 3 0	4 11 22				
	JUNE .	2 15 44	2 18 41		MAY .	30 6 54	30 11 9
	JULY .	2 4 28 31 17 12	2 1 39 31 9 17		JUNE .	23 19 38	29 1 20
					JULY .	23 8 22	28 14 16
	AUG. .	30 5 56	29 18 32		AUG. .	23 21 6	27 2 8
	SEPT. .	28 18 40	28 6 4		SEPT. .	25 9 50	25 13 22
	OCT. .	28 7 21	27 20 14		OCT. .	24 22 34	25 0 19
	NOV. .	26 20 8	26 12 49		NOV. .	23 11 18	23 11 9
	DEC. .	26 8 52	23 7 3		DEC. .	23 0 2	22 21 59

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1580. C. April. d. h. m. 4 9 42	JAN. .	21 12 46	21 8 52	B.C. 1577. G.F. April. d. h. m. 4 3 9	JAN. .	19 3 56	19 16 35
	FEB. .	20 1 30	19 20 5		FEB. .	17 16 40	18 3 14
	MAR. .	21 14 15	21 8 8		MAR. .	18 5 25	18 11 46
	APRIL	20 2 59	19 21 21		APRIL	16 18 9	16 19 0
	MAY .	19 15 48	19 11 51		MAY .	16 6 53	16 1 54
	JUNE .	18 4 27	18 3 15		JUNE .	14 19 37	14 9 36
	JULY .	17 17 11	17 18 56		JULY .	14 8 21	13 19 10
	AUG. .	16 5 55	16 10 14		AUG. .	12 21 5	12 7 30
	SEPT. .	14 18 39	15 0 43		SEPT. .	11 9 49	10 22 55
	OCT. .	14 7 23	14 14 9		OCT. .	10 22 33	10 16 57
	NOV. .	12 20 7	13 2 31		NOV. .	9 11 17	9 12 22
	DEC. .	12 8 51	12 13 50		DEC. .	9 0 1	9 7 34
1579. B. 4 15 31	JAN. .	10 21 35	11 0 11	1576. E. 4 8 58	JAN. .	7 12 45	8 0 57
	FEB. .	9 10 19	9 9 45		FEB. .	6 1 20	6 15 29
	MAR. .	10 23 4	10 19 2		MAR. .	7 14 14	8 2 59
	APRIL	9 11 48	9 4 44		APRIL	6 2 58	6 11 54
	MAY .	9 0 32	8 15 41		MAY .	5 15 42	5 19 8
	JUNE .	7 13 16	7 4 30		JUNE .	4 4 26	4 1 45
	JULY .	7 2 0	6 19 21		JULY .	3 17 10	3 8 53
	AUG. .	5 14 44	5 11 46		AUG. .	2 5 54 31 18 38	1 17 36 31 4 46
	SEPT. .	4 3 23	4 4 57				
	OCT. .	3 16 12	3 21 53		SEPT. .	30 7 22	29 18 55
	NOV. .	2 4 56	2 13 39		OCT. .	29 20 6	29 11 54
	DEC. .	1 17 40 31 6 21	2 3 45 31 15 52		NOV. .	28 8 50	28 6 50
					DEC. .	27 21 34	28 2 14
1578. A. 4 21 20	JAN. .	29 19 8	30 2 8	1575. D. 4 14 47	JAN. .	26 10 18	26 20 23
	FEB. .	28 7 52	28 10 54		FEB. .	24 23 2	25 12 9
	MAR. .	29 20 36	29 18 48		MAR. .	26 11 46	27 0 53
	APRIL	28 9 20	28 2 44		APRIL	25 0 30	25 10 51
	MAY .	27 22 4	27 11 45		MAY .	24 13 14	24 18 50
	JUNE .	26 10 48	25 22 48		JUNE .	23 1 58	23 1 55
	JULY .	25 23 32	25 12 29		JULY .	22 14 42	22 9 13
	AUG. .	24 12 16	24 4 46		AUG. .	21 3 26	20 17 43
	SEPT. .	23 1 0	22 22 54		SEPT. .	19 16 10	19 4 9
	OCT. .	22 13 44	22 17 37		OCT. .	19 4 54	18 17 2
	NOV. .	21 2 28	21 11 29		NOV. .	17 17 38	17 8 25
	DEC. .	20 15 12	21 3 21		DEC. .	17 6 22	17 1 48

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1574. C.	JAN. .	15 19 6	15 20 11	B.C. 1571. F.	JAN. .	12 10 16	12 7 41
	FEB. .	14 7 50	14 14 12		FEB. .	10 23 0	10 18 25
April. *d. h. m.*	MAR. .	15 20 35	16 6 40	April. *d. h. m.*	MAR. .	12 11 45	12 5 43
4 20 35	APRIL	14 9 19	14 20 43	4 14 2	APRIL	11 0 29	10 18 2
	MAY .	13 22 3	14 8 15		MAY .	10 13 13	10 7 43
	JUNE .	12 10 47	12 17 43		JUNE .	9 1 57	8 22 42
	JULY .	11 23 31	12 2 1		JULY .	8 14 41	8 14 27
	AUG. .	10 12 15	10 10 11		AUG. .	7 8 25	7 6 15
	SEPT. .	9 0 59	8 19 4		SEPT. .	5 16 9	5 21 29
	OCT. .	8 13 43	8 5 17		OCT. .	5 4 53	5 11 44
	NOV. .	7 2 27	6 17 8		NOV. .	3 17 37	4 0 51
	DEC. .	6 15 11	6 6 45		DEC. .	3 6 21	3 12 44
1573. B.A.	JAN. .	5 8 55	4 21 57	1570. E.	JAN. .	1 19 5 31 7 49	1 23 30 31 9 15
	FEB. .	3 16 39	3 14 18		FEB. .	...	...
	MAR. .	4 5 23	4 7 6		MAR. .	1 20 33 31 9 17	1 18 21 31 8 29
4 2 21	APRIL	2 18 7	2 23 27	4 19 51	APRIL	29 22 1	29 13 30
	MAY .	2 6 51 31 19 35	2 14 31		MAY .	29 10 45	29 1 11
	JUNE .	30 8 19	1 8 49 30 15 20		JUNE .	27 23 29	27 15 0
	JULY .	29 21 3	30 1 35		JULY .	27 12 13	27 6 51
	AUG. .	28 9 47	28 11 16		AUG. .	26 0 57	25 23 57
	SEPT. .	26 22 31	26 21 6		SEPT. .	24 13 41	24 17 23
	OCT. .	26 11 15	26 7 31		OCT. .	24 2 25	24 10 5
	NOV. .	24 23 59	24 18 41		NOV. .	22 15 9	23 1 14
	DEC. .	24 12 43	24 6 39		DEC. .	22 3 53	22 14 22
1572. G.	JAN. .	23 1 27	22 19 30	1569. D.C.	JAN. .	20 16 37	21 1 27
	FEB. .	21 14 11	21 9 18		FEB. .	19 5 21	19 10 44
	MAR. .	23 2 56	23 0 4		MAR. .	19 18 6	19 18 49
4 8 13	APRIL	21 15 40	21 15 27	4 1 40	APRIL	18 6 50	18 2 26
	MAY .	21 4 24	21 6 53		MAY .	17 19 34	17 10 33
	JUNE .	19 17 8	19 21 43		JUNE .	16 8 18	15 20 29
	JULY .	19 5 52	19 11 31		JULY .	15 21 2	15 8 49
	AUG. .	17 18 36	18 0 11		AUG. .	14 9 46	13 23 56
	SEPT. .	16 7 20	16 11 58		SEPT. .	12 22 30	12 17 25
	OCT. .	15 20 4	15 23 15		OCT. .	12 11 14	12 12 12
	NOV. .	14 8 48	14 10 14		NOV. .	10 23 58	11 6 48
	DEC. .	13 21 32	13 21 1		DEC. .	10 12 42	10 23 54

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1568. B.	JAN. .	9 1 26	9 14 28	B.C. 1565. F.E.	JAN. .	6 16 36	6 14 51
	FEB. .	7 14 10	8 2 18		FEB. .	5 5 20	5 8 59
April. d. h. m. 4 7 28	MAR. .	9 2 55	9 11 40	April. d. h. m. 4 0 55	MAR. .	5 18 5	6 2 13
	APRIL	7 15 39	7 19 18		APRIL	4 6 49	4 17 26
	MAY .	7 4 23	7 2 8		MAY .	3 19 33	4 6 14
	JUNE .	5 17 7	5 9 15		JUNE .	2 8 17	2 16 46
	JULY .	5 5 51	4 17 46		JULY .	1 21 1 / 31 9 45	2 1 41 / 31 10 1
	AUG. .	3 18 35	3 4 42				
	SEPT. .	2 7 19	1 18 38		AUG. .	29 22 29	29 18 39
	OCT. .	1 20 3 / 31 8 47	1 11 31 / 31 6 32		SEPT. .	28 11 13	28 4 18
					OCT. .	27 23 57	27 15 24
	NOV. .	29 21 31	30 2 7		NOV. .	26 12 41	26 4 4
	DEC. .	29 10 15	29 20 33		DEC. .	26 1 25	25 18 19
1567. A.	JAN. .	27 22 59	28 12 33	1564. D.	JAN. .	24 14 9	24 9 53
	FEB. .	26 11 43	27 1 27		FEB. .	23 2 53	23 2 16
	MAR. .	28 0 27	28 11 29		MAR. .	24 15 37	24 18 45
4 13 17	APRIL	26 13 11	26 19 23	4 6 44	APRIL	23 4 21	23 10 29
	MAY .	26 1 55	26 2 9		MAY .	22 17 5	23 0 45
	JUNE .	24 14 39	24 8 56		JUNE .	21 5 49	21 13 17
	JULY .	24 3 23	23 16 49		JULY .	20 18 33	21 0 19
	AUG. .	22 16 7	22 2 46		AUG. .	19 7 17	19 10 27
	SEPT. .	21 4 51	20 15 29		SEPT. .	17 20 1	17 20 24
	OCT. .	20 17 35	20 7 8		OCT. .	17 8 45	17 6 39
	NOV. .	19 6 19	19 1 14		NOV. .	15 21 29	15 17 28
	DEC. .	18 19 3	18 20 31		DEC. .	15 10 13	15 4 57
1566. G.	JAN. .	17 7 47	17 15 22	1563. C.	JAN. .	13 22 57	13 17 7
	FEB. .	15 20 31	16 8 21		FEB. .	12 11 41	12 6 9
	MAR. .	17 9 16	17 22 32		MAR. .	14 0 26	13 20 9
4 19 6	APRIL	15 22 0	16 9 47	4 12 33	APRIL	12 13 10	12 11 3
	MAY .	15 10 44	15 18 40		MAY .	12 1 54	12 2 26
	JUNE .	13 23 23	14 2 9		JUNE .	10 14 33	10 17 41
	JULY .	13 12 12	13 9 21		JULY .	10 3 22	10 8 14
	AUG. .	12 0 56	11 17 17		AUG. .	8 16 6	8 21 44
	SEPT. .	10 13 40	10 2 49		SEPT. .	7 4 50	7 10 13
	OCT. .	10 2 21	9 14 32		OCT. .	6 17 34	6 21 58
	NOV. .	8 15 8	8 4 40		NOV. .	5 6 18	5 9 14
	DEC. .	8 3 52	7 21 1		DEC. .	4 19 2	4 20 7

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1562. B.	JAN. .	8 7 46	8 6 44
	FEB. .	1 20 30	1 17 9
April. *d. h. m.* 4 18 21	MAR. .	8 9 15	3 8 50
	APRIL	1 21 59	1 15 17
	MAY .	1 10 43 30 23 27	1 4 4 30 18 19
	JUNE .	29 12 11	29 9 49
	JULY .	29 0 55	29 1 51
	AUG. .	27 18 39	27 17 43
	SEPT. .	26 2 23	26 8 49
	OCT. .	25 15 7	25 22 44
	NOV. .	24 8 51	24 11 22
	DEC. .	23 16 35	23 22 41
1561. A.G.	JAN. .	22 5 19	22 8 46
	FEB. .	20 18 8	20 17 55
	MAR. .	21 6 47	21 2 41
4 0 10	APRIL	19 19 31	19 11 56
	MAY .	19 8 15	18 22 32
	JUNE .	17 20 59	17 11 11
	JULY .	17 9 43	17 2 6
	AUG. .	15 22 27	15 18 49
	SEPT. .	14 11 11	14 12 29
	OCT. .	13 23 55	14 5 55
	NOV. .	12 12 39	12 22 8
	DEC. .	12 1 23	12 12 22
1560. F.	JAN. .	10 14 7	11 0 23
	FEB. .	9 2 51	9 10 27
	MAR. .	10 15 36	10 18 51
4 5 59	APRIL	9 4 20	9 2 21
	MAY .	8 17 4	8 10 2
	JUNE .	7 5 48	6 18 52
	JULY .	6 18 32	6 5 51
	AUG. .	5 7 16	4 19 37
	SEPT. .	3 20 0	3 12 8
	OCT. .	3 8 44	3 6 35
	NOV. .	1 21 28	2 1 38
	DEC. .	1 10 12 30 22 56	1 19 45 31 11 41

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1559. E.	JAN. .	29 11 40	30 0 48
	FEB. .	28 0 24	28 11 14
April. *d. h. m.* 4 11 48	MAR. .	29 18 9	29 19 30
	APRIL	28 1 58	28 2 30
	MAY .	27 14 37	27 9 17
	JUNE .	26 3 21	25 16 58
	JULY .	25 16 5	25 2 38
	AUG. .	24 4 49	23 15 6
	SEPT. .	22 17 33	22 6 30
	OCT. .	22 6 17	22 0 50
	NOV. .	20 19 1	20 20 21
	DEC. .	20 7 45	20 15 33
1558. D.	JAN. .	18 20 29	19 8 51
	FEB. .	17 9 13	17 23 15
	MAR. .	18 21 57	19 10 35
4 17 37	APRIL	17 10 41	17 19 22
	MAY .	16 23 25	17 2 33
	JUNE .	15 12 9	15 9 14
	JULY .	15 0 58	14 16 31
	AUG. .	13 13 37	13 1 27
	SEPT. .	12 2 21	11 12 48
	OCT. .	11 15 5	11 3 2
	NOV. .	10 3 49	9 20 1
	DEC. .	9 16 33	9 14 47
1557. C.D.	JAN. .	8 5 17	8 9 56
	FEB. .	6 18 1	7 3 54
	MAR. .	7 6 46	7 19 27
3 23 25	APRIL	5 19 30	6 8 7
	MAY .	5 8 14	5 18 5
	JUNE .	3 20 58	4 2 11
	JULY .	3 9 42	3 9 32
	AUG. .	1 22 26 31 11 10	1 17 8 31 1 57
	SEPT. .	29 23 54	29 12 37
	OCT. .	29 12 38	29 1 33
	NOV. .	28 1 22	27 16 46
	DEC. .	27 14 6	27 9 48

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1556. A. April. d. h. m. 4 5 14	JAN. .	26 2 50	26 8 42	B.C. 1553. E.D. April. d. h. m. 8 22 41	JAN. .	23 18 0	23 16 10
	FEB. .	24 15 34	24 21 19		FEB. .	22 6 44	22 2 23
	MAR. .	26 4 18	26 18 32		MAR. .	22 19 28	22 13 5
	APRIL	24 17 2	25 8 33		APRIL	21 8 12	21 0 54
	MAY .	24 5 46	24 15 14		MAY .	20 20 56	20 14 17
	JUNE .	22 18 30	23 0 59		JUNE .	19 9 40	19 5 12
	JULY .	22 7 14	22 9 43		JULY .	18 22 24	18 21 11
	AUG. .	20 19 58	20 18 19		AUG. .	17 11 8	17 13 28
	SEPT. .	19 8 42	19 8 35		SEPT. .	15 23 52	16 5 18
	OCT. .	18 21 26	18 14 2		OCT. .	15 12 36	15 20 7
	NOV. .	17 10 10	17 1 53		NOV. .	14 1 20	14 9 35
	DEC. .	16 22 54	16 15 13		DEC. .	13 14 4	13 21 36
1555. G. 4 11 3	JAN. .	15 11 38	15 5 56	1552. C. 4 4 29	JAN. .	12 2 48	12 8 11
	FEB. .	14 0 22	13 21 42		FEB. .	10 15 32	10 17 33
	MAR. .	15 13 7	15 14 0		MAR. .	12 4 17	12 2 13
	APRIL	14 1 51	14 6 4		APRIL	10 17 1	10 10 52
	MAY .	13 14 35	13 21 7		MAY .	10 5 45	9 20 31
	JUNE .	12 3 19	12 10 39		JUNE .	8 18 29	8 7 59
	JULY .	11 16 8	11 22 35		JULY .	8 7 18	7 21 47
	AUG. .	10 4 47	10 9 21		AUG. .	6 19 57	6 13 47
	SEPT. .	8 17 31	8 19 35		SEPT. .	5 8 41	5 7 19
	OCT. .	8 6 15	8 5 50		OCT. .	4 21 25	5 1 14
	NOV. .	6 18 59	6 16 27		NOV. .	3 10 9	3 18 23
	DEC. .	6 7 43	6 3 33		DEC. .	2 22 53	3 9 48
1554. F. 4 16 52	JAN. .	4 20 27	4 15 12	1551. B. 4 10 18	JAN. .	1 11 37 31 0 21	1 22 59 31 9 51
	FEB. .	3 9 11	3 3 30		FEB. .	...	...
	MAR. .	4 21 56	4 16 43		MAR. .	1 13 6 31 1 50	1 13 50 31 2 31
	APRIL	3 10 40	3 6 54		APRIL	29 14 34	29 9 51
	MAY .	2 23 24	2 21 58		MAY .	29 3 18	28 17 50
	JUNE .	1 12 8	1 13 21		JUNE .	27 16 2	27 8 36
	JULY .	1 0 52 30 13 36	1 4 27 30 18 43		JULY .	27 4 46	26 15 57
	AUG. .	29 2 20	29 8 1		AUG. .	25 17 30	25 7 11
	SEPT. .	27 15 4	27 20 24		SEPT. .	24 6 14	24 1 0
	OCT. .	27 3 48	27 8 4		OCT. .	23 18 58	23 20 6
	NOV. .	25 16 32	25 19 13		NOV. .	22 7 42	22 14 58
	DEC. .	25 5 16	25 5 53		DEC. .	21 20 26	22 8 10

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1550. A. April. *d. h. m.* 4 16 7	JAN. .	20 9 10	20 22 42	**B.C. 1547.** D. April. *d. h. m.* 4 9 34	JAN. .	17 0 20	16 22 33
	FEB. .	18 21 54	19 10 20		FEB. .	15 13 4	15 16 15
	MAR. .	20 10 38	20 19 26		MAR. .	17 1 48	17 9 7
	APRIL	18 23 22	19 2 51		APRIL	15 14 32	16 0 14
	MAY .	18 12 6	18 9 32		MAY .	15 8 16	15 13 6
	JUNE .	17 0 50	16 16 38		JUNE .	13 16 0	13 23 53
	JULY .	16 13 31	16 1 14		JULY .	13 4 44	13 9 12
	AUG. .	15 2 18	14 12 16		AUG. .	11 17 28	11 17 58
	SEPT. .	13 15 2	13 2 22		SEPT. .	10 6 12	10 3 2
	OCT. .	13 8 46	12 19 26		OCT. .	9 18 56	9 13 1
	NOV. .	11 16 30	11 14 30		NOV. .	8 7 40	8 0 13
	DEC. .	11 5 14	11 10 4		DEC. .	7 20 24	7 12 43
1549. G.F.	JAN. .	9 17 58	10 4 26	**1546.** C.	JAN. .	6 9 8	6 2 32
	FEB. .	8 6 42	8 20 17		FEB. .	4 21 52	4 17 32
	MAR. .	8 19 27	9 9 4		MAR. .	6 10 37	6 9 22
3 21 56	APRIL	7 8 11	7 18 58	4 15 22	APRIL	4 23 21	5 1 27
	MAY .	6 20 55	7 2 48		MAY .	4 12 5	4 17 0
	JUNE .	5 9 39	5 9 38		JUNE .	3 0 49	3 7 24
	JULY .	4 22 23	4 16 33		JULY .	2 13 33	2 20 19
	AUG. .	3 11 7	3 0 39		AUG. .	1 2 17 30 15 1	1 7 52 30 18 34
	SEPT. .	1 23 51	1 10 48 30 23 40		SEPT. .	29 3 45	29 4 59
	OCT. .	1 12 35 31 1 19	30 15 21		OCT. .	28 16 29	28 15 33
	NOV. .	29 14 3	29 9 18		NOV. .	27 5 13	27 2 26
	DEC. .	29 2 47	29 4 20		DEC. .	26 17 57	26 13 40
1548. E.	JAN. .	27 15 31	27 22 54	**1545.** B.A.	JAN. .	25 6 41	25 1 22
	FEB. .	26 4 15	26 15 39		FEB. .	23 19 25	23 13 47
	MAR. .	27 17 0	28 5 44		MAR. .	24 8 9	24 3 11
4 3 45	APRIL	26 5 44	26 16 57	3 21 11	APRIL	22 20 53	22 17 38
	MAY .	25 18 28	26 1 56		MAY .	22 9 37	22 8 51
	JUNE .	24 7 12	24 9 39		JUNE .	20 22 21	21 0 15
	JULY .	23 19 56	23 17 10		JULY .	20 11 5	20 15 12
	AUG. .	22 8 40	22 1 25		AUG. .	18 23 49	19 5 17
	SEPT. .	20 21 24	20 11 15		SEPT. .	17 12 33	17 18 24
	OCT. .	20 10 8	19 23 6		OCT. .	17 1 17	17 6 33
	NOV. .	18 22 52	18 13 9		NOV. .	15 14 1	15 18 10
	DEC. .	18 11 36	18 5 11		DEC. .	15 2 45	15 5 8

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1544. G. April. d. h. m. 4 8 0	JAN. .	13 15 29	13 15 21	B.C. 1541. D.C. April. d. h. m. 3 20 27	JAN. .	11 6 39	11 19 51
	FEB. .	12 4 13	12 1 19		FEB. .	9 19 23	10 8 52
	MAR. .	13 16 58	13 11 25		MAR. .	10 8 8	10 19 4
	APRIL	12 5 42	11 22 22		APRIL	8 20 52	9 3 6
	MAY .	11 18 26	11 10 44		MAY .	8 9 36	8 9 57
	JUNE .	10 7 10	10 0 50		JUNE .	6 22 20	6 16 42
	JULY .	9 19 54	9 16 27		JULY .	6 11 4	6 0 26
	AUG. .	8 8 38	8 8 54		AUG. .	4 23 48	4 10 12
	SEPT. .	6 21 22	7 1 19		SEPT. .	3 12 32	2 22 50
	OCT. .	6 10 6	6 16 59		OCT. .	3 1 16	2 14 31
	NOV. .	4 22 50	5 7 22		NOV. .	1 14 0	1 8 46
	DEC. .	4 11 34	4 20 12		DEC. .	1 2 44 30 15 28	1 4 18 30 23 25
1543. F.	JAN. .	3 0 18	3 7 25				
	FEB. .	1 13 2	1 17 12	1540. B.	JAN. .	29 4 12	29 16 35
	MAR. .	3 1 47	3 1 56		FEB. .	27 16 56	28 6 50
4 8 49	APRIL	1 14 31	1 10 16 30 19 7	4 2 15	MAR. .	29 5 41	29 18 4
	MAY .	1 3 15 30 15 59	30 5 25		APRIL	27 18 25	28 2 46
					MAY .	27 7 9	27 9 59
	JUNE .	29 4 43	28 17 59		JUNE .	25 19 53	25 16 48
	JULY .	28 17 27	28 9. 1		JULY .	25 8 37	25 0 17
	AUG. .	27 6 11	27 2 8		AUG. .	23 21 21	23 9 27
	SEPT. .	25 18 55	25 20 9		SEPT. .	22 10 5	21 21 0
	OCT. .	25 7 39	25 14 3		OCT. .	21 22 49	21 11 19
	NOV. .	23 20 23	24 6 35		NOV. .	20 11 33	20 4 11
	DEC. .	23 9 7	23 20 58		DEC. .	20 0 17	19 22 43
1542. E.	JAN. .	21 21 51	22 8 53	1539. A.	JAN. .	18 13 1	18 17 34
	FEB. .	20 10 35	20 18 36		FEB. .	17 1 45	17 11 14
	MAR. .	21 23 19	22 2 40		MAR. .	18 14 29	19 2 36
4 14 38	APRIL	20 12 3	20 9 54	4 8 4	APRIL	17 3 13	17 15 12
	MAY .	20 0 47	19 17 19		MAY .	16 15 57	17 1 15
	JUNE .	18 13 31	18 2 0		JUNE .	15 4 41	15 9 34
	JULY .	18 2 15	17 13 0		JULY .	14 17 25	14 17 11
	AUG. .	16 14 59	16 2 53		AUG. .	13 6 9	13 1 10
	SEPT. .	15 3 43	14 19 37		SEPT. .	11 18 53	11 10 18
	OCT. .	14 16 27	14 14 22		OCT. .	11 7 37	10 21 11
	NOV. .	13 5 11	13 9 40		NOV. .	9 20 21	9 10 8
	DEC. .	12 17 55	13 3 55		DEC. .	9 9 5	9 1 6

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1538. G.	JAN.	7 21 49	7 17 41	**B.C. 1535.** C.	JAN.	4 12 59	4 14 37
	FEB.	6 10 33	6 11 7		FEB.	3 1 43	3 0 30
April. *d. h. m.* 4 13 53	MAR.	7 23 18	8 4 20	April. *d. h. m.* 4 7 20	MAR.	4 14 28	4 10 13
	APRIL	6 12 2	6 20 19		APRIL	3 3 12	2 20 22
	MAY	6 0 46	6 10 20		MAY	2 15 56	2 7 45 31 20 52
	JUNE	4 13 30	4 22 13		JUNE	1 4 40 30 17 24	30 11 49
	JULY	4 2 14	4 8 21		JULY	30 6 8	30 4 4
	AUG.	2 14 58	2 17 30		AUG.	28 18 52	28 20 51
	SEPT.	1 3 42 30 16 26	1 2 34 30 12 15		SEPT.	27 7 36	27 13 16
	OCT.	30 5 10	29 22 53		OCT.	26 20 20	27 4 35
	NOV.	28 17 54	23 10 41		NOV.	25 9 4	25 18 22
	DEC.	28 6 38	27 23 41		DEC.	24 21 48	25 6 23
1537. F.E.	JAN.	26 19 22	26 13 50	**1534.** B.	JAN.	23 10 32	23 16 44
	FEB.	25 8 6	25 5 1		FEB.	21 23 16	22 1 43
	MAR.	25 20 51	25 20 48		MAR.	23 12 1	23 9 57
3 19 42	APRIL	24 9 35	24 12 35	4 13 8	APRIL	22 0 45	21 18 13
	MAY	23 22 19	24 3 40		MAY	21 13 29	21 3 33
	JUNE	22 11 3	22 17 29		JUNE	20 2 13	19 14 50
	JULY	21 23 47	22 5 55		JULY	19 14 57	19 4 40
	AUG.	20 12 31	20 17 15		AUG.	18 3 41	17 20 54
	SEPT.	19 1 15	19 4 1		SEPT.	16 16 25	16 14 49
	OCT.	18 13 59	18 14 40		OCT.	16 5 9	16 9 11
	NOV.	17 2 43	17 1 26		NOV.	14 17 53	15 2 42
	DEC.	16 15 27	16 12 25		DEC.	14 6 37	14 18 19
1536. D.	JAN.	15 4 11	14 23 30	**1533.** A.G.	JAN.	12 19 21	13 7 27
	FEB.	13 16 55	13 11 21		FEB.	11 8 5	11 18 6
	MAR.	15 5 39	14 23 59		MAR.	11 20 49	12 2 45
4 1 31	APRIL	13 18 23	13 13 39	3 18 57	APRIL	10 9 33	10 10 8
	MAY	13 7 7	13 4 25		MAY	9 22 17	9 17 13
	JUNE	11 19 51	11 19 48		JUNE	8 11 1	8 1 4
	JULY	11 8 35	11 11 14		JULY	7 23 45	7 10 47
	AUG.	9 21 19	10 2 3		AUG.	6 12 29	5 23 14
	SEPT.	8 10 3	8 15 57		SEPT.	5 1 13	4 14 41
	OCT.	7 22 47	8 4 52		OCT.	4 13 57	4 8 41
	NOV.	6 11 31	6 16 55		NOV.	3 2 41	3 4 2
	DEC.	6 0 15	6 4 10		DEC.	2 15 25	2 23 4

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1532. F.	JAN. .	1 4 9 30 16 53	1 16 18 31 6 44
	FEB. .	...	...
April. *d. h. m.* 4 0 46	MAR. .	1 5 33 30 18 22	1 18 13 31 3 7
	APRIL	29 7 6	29 10 22
	MAY .	28 19 50	28 16 59
	JUNE .	27 8 31	27 0 6
	JULY .	26 21 18	26 8 49
	AUG. .	25 10 2	24 20 1
	SEPT. .	23 22 46	23 10 17
	OCT. .	23 11 30	23 3 24
	NOV. .	22 0 14	21 22 29
	DEC. .	21 12 58	21 17 59
1531. E.	JAN. .	20 1 42	20 12 11
	FEB. .	18 14 26	19 8 54
	MAR. .	20 3 10	20 16 31
4 6 35	APRIL	18 15 54	19 2 20
	MAY .	18 4 38	18 10 10
	JUNE .	16 17 22	16 17 5
	JULY .	16 6 6	16 0 14
	AUG. .	14 18 50	14 8 35
	SEPT. .	13 7 34	12 18 59
	OCT. .	12 20 18	12 7 59
	NOV. .	11 9 2	10 23 35
	DEC. .	10 21 46	10 17 19
1530. D.	JAN. .	9 10 30	9 12 2
	FEB. .	7 23 14	8 6 17
	MAR. .	9 11 59	9 22 49
4 12 24	APRIL	8 0 43	8 12 45
	MAY .	7 13 27	8 0 2
	JUNE .	6 2 11	6 9 12
	JULY .	5 14 55	5 17 11
	AUG. .	4 3 39	4 1 4
	SEPT. .	2 16 23	2 9 42
	OCT. .	2 5 7 31 17 51	1 19 48 31 7 44
	NOV. .	30 6 35	29 21 38
	DEC. .	29 19 19	29 13 18

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1529. C.B.	JAN. .	28 8 3	28 6 8
	FEB. .	26 20 47	26 23 21
April. *d. h. m.* 3 18 13	MAR. .	27 9 32	27 15 54
	APRIL	25 22 16	26 6 55
	MAY .	25 11 0	25 19 57
	JUNE .	23 23 44	24 7 3
	JULY .	23 12 28	23 16 49
	AUG. .	22 1 12	22 2 5
	SEPT. .	20 13 56	20 11 36
	OCT. .	20 2 40	19 21 52
	NOV. .	18 15 24	18 9 5
	DEC. .	18 4 8	17 21 21
1528. A.	JAN. .	16 16 52	16 10 41
	FEB. .	15 5 36	15 1 4
	MAR. .	16 18 20	16 16 20
4 0 1	APRIL	15 7 4	15 8 1
	MAY .	14 19 48	14 23 29
	JUNE .	13 8 32	13 14 5
	JULY .	12 21 16	13 3 24
	AUG. .	11 10 0	11 15 32
	SEPT. .	9 22 44	10 2 48
	OCT. .	9 11 28	9 13 41
	NOV. .	8 0 12	8 0 30
	DEC. .	7 12 56	7 11 20
1527. G.	JAN. .	6 1 40	5 22 17
	FEB. .	4 14 24	4 9 29
	MAR. .	6 3 9	5 21 18
4 5 50	APRIL	4 15 53	4 10 8
	MAY .	4 4 37	4 0 12
	JUNE .	2 17 21	2 15 18
	JULY .	2 6 5 31 18 49	2 6 53 31 22 18
	AUG. .	30 7 33	30 12 58
	SEPT. .	28 20 17	29 2 41
	OCT. .	28 9 1	23 15 22
	NOV. .	26 21 45	27 3 6
	DEC. .	26 10 29	26 13 53

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1526. F. April. *d. h. m.* 4 11 39	JAN. .	24 23 13	24 23 52	B.C. 1523. B. April. *d. h. m.* 4 5 6	JAN. .	21 14 23	22 8 55
	FEB. .	23 11 57	23 9 21		FEB. .	20 8 7	20 16 45
	MAR. .	25 0 42	24 18 56		MAR. .	21 15 52	22 2 46
	APRIL	23 18 26	23 5 24		APRIL	20 4 36	20 10 38
	MAY .	23 2 10	22 17 26		MAY .	19 17 20	19 17 25
	JUNE .	21 14 54	21 7 27		JUNE .	18 6 4	18 0 9
	JULY .	21 8 38	20 23 12		JULY .	17 18 48	17 8 1
	AUG. .	19 16 22	19 16 2		AUG. .	16 7 32	15 17 58
	SEPT. .	18 5 6	18 9 2		SEPT. .	14 20 16	14 6 44
	OCT. .	17 17 50	18 1 15		OCT. .	14 9 0	13 22 32
	NOV. .	16 6 34	16 16 1		NOV. .	12 21 44	12 16 48
	DEC. .	15 19 18	16 4 57		DEC. .	12 10 28	12 12 15
1525. E.D.	JAN. .	14 8 2	14 16 4	1522. A.	JAN. .	10 23 12	11 7 13
	FEB. .	12 20 46	13 1 31		FEB. .	9 11 56	10 0 11
	MAR. .	13 9 32	13 9 52		MAR. .	11 0 40	11 14 17
3 17 28	APRIL	11 22 16	11 17 47	4 10 54	APRIL	9 13 24	10 1 24
	MAY .	11 11 0	11 2 17		MAY .	9 2 8	9 10 7
	JUNE .	9 23 44	9 12 24		JUNE .	7 14 52	7 17 24
	JULY .	9 12 28	9 0 54		JULY .	7 3 36	7 0 24
	AUG. .	8 1 12	7 16 4		AUG. .	5 16 20	5 8 11
	SEPT. .	6 13 56	6 9 25		SEPT. .	4 5 4	3 17 36
	OCT. .	6 2 40	6 3 56		OCT. .	3 17 48	3 5 20
	NOV. .	4 15 24	4 22 14		NOV. .	2 6 32	1 19 40
	DEC. .	4 4 8	4 15 1		DEC. .	1 19 16 31 8 0	1 12 22 31 6 33
1524. C.	JAN. .	2 16 52	3 5 26				
	FEB. .	1 5 36	1 17 13	1521. G.F.	JAN. .	29 20 44	30 1 2
	MAR. .	2 18 19	3 2 33		FEB. .	28 9 23	28 18 23
3 23 17	APRIL	1 7 3 30 19 47	1 10 25 30 17 23	3 16 43	MAR. .	28 22 13	29 9 37
					APRIL	27 10 57	27 22 12
	MAY .	30 8 31	30 0 37		MAY .	26 23 41	27 8 24
	JUNE .	28 21 15	28 9 16		JUNE .	25 12 25	25 17 0
	JULY .	28 9 59	27 20 18		JULY .	25 1 9	25 1 0
	AUG. .	26 22 43	26 10 20		AUG. .	23 13 53	23 9 21
	SEPT. .	25 11 27	25 3 16		SEPT. .	22 2 37	21 18 49
	OCT. .	25 0 11	24 22 13		OCT. .	21 15 21	21 5 53
	NOV. .	23 12 55	23 17 42		NOV. .	20 4 5	19 18 46
	DEC. .	23 1 39	23 12 2		DEC. .	19 16 49	19 9 26

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1520. E. April. d. h. m. 3 22 32	JAN. .	18 5 33	18 1 31	B.C. 1517. B.A. April. d. h. m. 3 15 58	JAN. .	15 20 43	15 23 17
	FEB. .	16 18 17	16 18 23		FEB. .	14 9 27	14 8 45
	MAR. .	18 7 2	18 11 11		MAR. .	14 22 11	14 17 56
	APRIL	16 19 46	17 2 58		APRIL	13 10 55	13 8 35
	MAY .	16 8 30	16 17 4		MAY .	12 23 39	12 14 35
	JUNE .	14 21 14	15 5 12		JUNE .	11 12 23	11 3 31
	JULY .	14 9 58	14 15 46		JULY .	11 1 7	10 18 28
	AUG. .	12 22 42	13 1 27		AUG. .	9 13 51	9 11 2
	SEPT. .	11 11 26	11 10 59		SEPT. .	8 2 35	8 4 19
	OCT. .	11 0 10	10 21 1		OCT. .	7 15 19	7 21 17
	NOV. .	9 12 54	9 7 49		NOV. .	6 4 3	6 13 4
	DEC. .	9 1 38	8 19 28		DEC. .	5 16 47	6 3 4
1519. D. 4 4 21	JAN. .	7 14 22	7 8 4	1516. G. 3 21 47	JAN. .	4 5 31	4 15 3
	FEB. .	6 3 6	5 21 39		FEB. .	2 18 15	3 1 8
	MAR. .	7 15 50	7 12 11		MAR. .	4 7 0	4 9 46
	APRIL	6 4 34	6 3 30		APRIL	2 19 44	2 17 36
	MAY .	5 17 18	5 19 3		MAY .	2 8 28 31 21 12	2 1 30 31 10 35
	JUNE .	4 6 2	4 10 11		JUNE .	30 9 56	29 21 46
	JULY .	3 18 46	4 0 22		JULY .	29 22 40	29 11 39
	AUG. .	2 7 30 31 20 14	2 18 19		AUG. .	28 11 24	28 4 8
	SEPT. .	30 8 58	1 1 15 30 12 33		SEPT. .	27 0 8	26 22 24
	OCT. .	29 21 42	29 23 33		OCT. .	26 12 52	26 17 10
	NOV. .	28 10 26	28 10 24		NOV. .	25 1 36	25 11 0
	DEC. .	27 23 10	27 21 11		DEC. .	24 14 20	25 2 43
1518. C. 4 10 10	JAN. .	26 11 54	26 7 59	1515. F. 4 3 36	JAN. .	23 3 4	23 15 45
	FEB. .	25 0 38	24 19 9		FEB. .	21 15 48	22 2 12
	MAR. .	26 13 23	26 7 9		MAR. .	23 4 33	23 10 35
	APRIL	25 2 7	24 20 22		APRIL	21 17 17	21 17 42
	MAY .	24 14 51	24 10 53		MAY .	21 6 1	21 0 35
	JUNE .	23 3 35	23 2 21		JUNE .	19 18 45	19 8 22
	JULY .	22 16 19	22 18 6		JULY .	19 7 29	18 18 7
	AUG. .	21 5 3	21 9 28		AUG. .	17 20 13	17 6 41
	SEPT. .	19 17 47	19 23 59		SEPT. .	16 8 57	15 22 19
	OCT. .	19 6 31	19 13 27		OCT. .	15 21 41	15 16 30
	NOV. .	17 19 15	18 1 47		NOV. .	14 10 25	14 12 0
	DEC. .	17 7 59	17 13 3		DEC. .	13 23 9	14 7 7

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1514. E. April. *d. h. m.* 4 9 25	JAN. .	12 11 53	13 0 20	B.C. 1511. A. April. *d. h. m.* 4 2 51	JAN. .	9 8 3	8 21 19
	FEB. .	11 0 37	11 14 38		FEB. .	7 15 47	7 13 38
	MAR. .	12 13 21	13 1 55		MAR. .	9 4 31	9 6 20
	APRIL	11 2 5	11 10 40		APRIL	7 17 15	7 22 35
	MAY .	10 14 49	10 17 48		MAY .	7 5 59	7 13 33
	JUNE .	9 3 33	9 0 26		JUNE .	5 18 43	6 2 46
	JULY .	8 16 17	8 7 40		JULY .	5 7 27	5 14 15
	AUG. .	7 5 1	6 16 32		AUG. .	3 20 11	4 0 32
	SEPT. .	5 17 45	5 3 56		SEPT. .	2 8 55	2 10 19
	OCT. .	5 6 29	4 18 18		OCT. .	1 21 39	1 20 16
	NOV. .	3 19 13	3 11 28			31 10 23	31 6 44
	DEC. .	3 7 57	3 6 26		NOV. .	29 23 7	29 17 57
					DEC. .	29 11 51	29 5 55
1513. D.C.	JAN. .	1 20 41	2 1 45	1510. G.	JAN. .	28 0 35	27 18 44
		31 9 25	31 19 47				
	FEB. .	29 22 10	...		FEB. .	26 13 19	26 8 29
	MAR. .	30 10 54	1 11 19		MAR. .	28 2 4	27 23 12
			30 23 50				
3 15 14	APRIL	28 23 38	29 9 33	4 8 40	APRIL	26 14 48	26 14 33
	MAY .	28 12 22	28 17 32		MAY .	26 3 32	26 5 57
	JUNE .	27 1 6	27 0 40		JUNE .	24 16 16	24 20 47
	JULY .	26 13 50	26 8 4		JULY .	24 5 0	24 10 35
	AUG. .	25 2 34	24 16 43		AUG. .	22 17 44	22 23 18
	SEPT. .	23 15 18	23 3 21		SEPT. .	21 6 28	21 11 9
	OCT. .	23 4 2	22 16 24		OCT. .	20 19 12	20 22 28
	NOV. .	21 16 46	21 7 55		NOV. .	19 7 56	19 9 29
	DEC. .	21 5 30	21 1 20		DEC. .	18 20 40	18 20 14
1512. B.	JAN. .	19 18 14	19 19 28	1509. F.E.	JAN. .	17 9 24	17 6 50
	FEB. .	18 6 58	18 13 32		FEB. .	15 22 8	15 17 30
	MAR. .	19 19 43	20 5 48		MAR. .	16 10 53	16 4 43
3 21 8	APRIL	18 8 27	18 19 42	3 14 29	APRIL	14 23 37	14 17 2
	MAY .	17 21 11	18 7 6		MAY .	14 12 21	14 6 45
	JUNE .	16 9 55	16 16 30		JUNE .	13 1 5	12 21 47
	JULY .	15 22 39	16 0 50		JULY .	12 13 49	12 13 35
	AUG. .	14 11 23	14 9 7		AUG. .	11 2 33	11 5 29
	SEPT. .	13 0 7	12 18 9		SEPT. .	9 15 17	9 20 46
	OCT. .	12 12 51	12 4 29		OCT. .	9 4 1	9 11 3
	NOV. .	11 1 35	10 16 27		NOV. .	7 16 45	8 0 8
	DEC. .	10 14 19	10 6 8		DEC. .	7 5 29	7 12 0

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1508. D.	JAN. .	5 18 13	5 22 40	B.C. 1505. A.G.	JAN. .	8 9 23	8 20 1
	FEB. .	4 6 57	4 8 17		FEB. .	1 22 7	2 11 47
April. d. h. m. 8 20 18	MAR. .	5 19 41	5 17 17	April. d. h. m. 8 13 44	MAR. .	2 10 51 31 23 35	3 0 29
	APRIL	4 8 25	4 2 21		APRIL	30 12 19	1 10 19 30 18 5
	MAY .	3 21 9	3 12 22		MAY .	30 1 3	30 0 50
	JUNE .	2 9 58	2 0 9		JUNE .	28 13 47	28 7 42
	JULY .	1 22 37 31 11 21	1 14 6 31 6 4		JULY .	23 2 31	27 15 43
	AUG. .	30 0 5	29 23 19		AUG. .	26 15 15	26 1 52
	SEPT. .	28 12 49	28 16 50		SEPT. .	25 3 59	24 14 48
	OCT. .	28 1 33	28 9 32		OCT. .	24 16 43	24 6 39
	NOV. .	26 14 17	27 0 37		NOV. .	23 5 27	23 0 50
	DEC. .	26 3 1	26 13 37		DEC. .	22 18 11	22 20 5
1507. C.	JAN. .	24 15 45	25 0 33	1504. F.	JAN. .	21 6 55	21 14 49
	FEB. .	23 4 29	23 9 41		FEB. .	19 19 39	20 7 35
	MAR. .	24 17 14	24 17 37		MAR. .	21 8 24	21 21 34
4 2 7	APRIL	23 5 58	23 1 10	3 19 33	APRIL	19 21 8	20 8 33
	MAY .	22 18 42	22 9 25		MAY .	19 9 52	19 17 24
	JUNE .	21 7 26	20 19 23		JUNE .	17 22 36	18 0 52
	JULY .	20 20 10	20 7 54		JULY .	17 11 20	17 8 9
	AUG. .	19 8 54	18 23 13		AUG. .	16 0 4	15 16 14
	SEPT. .	17 21 38	17 16 53		SEPT. .	14 12 48	14 1 56
	OCT. .	17 10 22	17 11 46		OCT. .	14 1 32	13 13 49
	NOV. .	15 23 6	16 6 23		NOV. .	12 14 16	12 4 6
	DEC. .	15 11 50	15 23 20		DEC. .	12 3 0	11 20 31
1506. B.	JAN. .	14 0 34	14 13 44	1503. E.	JAN. .	10 15 44	10 14 19
	FEB. .	12 13 18	13 1 20		FEB. .	9 4 28	9 8 21
	MAR. .	14 2 3	14 10 32		MAR. .	10 17 12	11 1 25
4 7 56	APRIL	12 14 47	12 13 1	4 1 22	APRIL	9 5 56	9 16 29
	MAY .	12 3 31	12 0 49		MAY .	8 18 40	9 5 7
	JUNE .	10 16 15	10 7 59		JUNE .	7 7 24	7 15 33
	JULY .	10 4 59	9 16 39		JULY .	6 20 8	7 0 29
	AUG. .	8 17 43	8 3 47		AUG. .	5 8 52	5 8 53
	SEPT. .	7 6 27	6 17 57		SEPT. .	3 21 36	3 17 40
	OCT. .	6 19 11	6 11 5		OCT. .	3 10 20	3 3 27
	NOV. .	5 7 55	5 6 10		NOV. .	1 23 4	1 14 33
	DEC. .	4 20 39	5 1 42		DEC. .	1 11 48 31 0 32	1 3 24 30 17 40

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1502. D. April. *d. h. m.* 4 7 11	JAN. .	29 18 16	29 9 12	B.C. 1499. G. April. *d. h. m.* 4 0 37	JAN. .	26 4 26	26 7 49
	FEB. .	28 2 0	28 1 31		FEB. .	24 17 10	24 16 50
	MAR. .	29 14 44	29 17 55		MAR. .	26 5 55	26 1 33
	APRIL	28 8 28	28 9 32		APRIL	24 18 39	24 10 46
	MAY .	27 16 12	27 23 43		MAY .	24 7 28	23 21 26
	JUNE .	26 4 56	26 12 13		JUNE .	22 20 7	22 10 13
	JULY .	25 17 40	25 23 15		JULY .	22 8 51	22 1 17
	AUG. .	24 6 24	24 9 28		AUG. .	20 21 35	20 18 11
	SEPT. .	22 19 8	22 19 29		SEPT. .	19 10 19	19 11 55
	OCT. .	22 7 52	22 5 49		OCT. .	18 23 8	19 5 24
	NOV. .	20 20 36	20 16 43		NOV. .	17 11 47	17 21 32
	DEC. .	20 9 21	20 4 10		DEC. .	17 0 31	17 11 42
1501. C.B.	JAN. .	18 22 6	18 16 21	1498. F.	JAN. .	15 13 15	15 23 36
	FEB. .	17 10 50	17 5 19		FEB. .	14 1 59	14 9 26
	MAR. .	17 23 34	17 19 17		MAR. .	15 14 44	15 17 42
3 13 0	APRIL	16 12 18	16 10 8	4 6 26	APRIL	14 8 28	14 1 9
	MAY .	16 1 2	16 1 31		MAY .	13 16 12	13 8 48
	JUNE .	14 13 46	14 16 46		JUNE .	12 4 56	11 17 42
	JULY .	14 2 30	14 7 19		JULY .	11 17 40	11 4 51
	AUG. .	12 15 14	12 20 51		AUG. .	10 6 24	9 18 49
	SEPT. .	11 3 58	11 9 23		SEPT. .	8 19 8	8 11 33
	OCT. .	10 16 42	10 21 11		OCT. .	8 7 52	8 6 8
	NOV. .	9 5 26	9 8 28		NOV. .	6 20 36	7 1 12
	DEC. .	8 18 10	8 19 21		DEC. .	6 9 20	6 19 15
1500. A.	JAN. .	7 6 54	7 5 53	1497. E.D.	JAN. .	4 22 4	5 11 0
	FEB. .	5 19 38	5 16 13		FEB. .	3 10 48	3 23 57
	MAR. .	7 8 22	7 2 49		MAR. .	3 23 32	4 10 9
3 13 49	APRIL	5 21 6	5 14 14	3 12 15	APRIL	2 12 16	2 18 15
	MAY .	5 9 50	5 3 3		MAY .	2 1 0	2 1 11
	JUNE .	3 22 34	3 17 22			31 13 44	31 7 59
	JULY .	3 11 18	3 8 56		JUNE .	30 2 28	29 15 46
	AUG. .	2 0 2	2 1 3		JULY .	29 15 12	29 1 35
		31 12 46	31 17 0		AUG. .	28 3 56	27 14 18
	SEPT. .	30 1 30	30 8 7		SEPT. .	26 16 40	26 6 4
	OCT. .	29 14 14	29 22 4		OCT. .	26 5 24	26 0 24
	NOV. .	28 2 58	28 10 33		NOV. .	24 18 8	24 19 57
	DEC. .	27 15 42	27 21 51		DEC. .	24 6 52	24 15 4

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1496. C. April. *d. h. m.* 8 18 4	JAN.	22 19 36	23 8 11
	FEB.	21 8 21	21 22 23
	MAR.	22 21 5	23 9 30
	APRIL	21 9 49	21 18 8
	MAY	20 22 33	21 1 15
	JUNE	19 11 17	19 7 57
	JULY	19 0 1	18 15 21
	AUG.	17 12 45	17 0 26
	SEPT.	16 1 29	15 12 1
	OCT.	15 14 13	15 2 28
	NOV.	14 2 57	13 19 34
	DEC.	13 15 41	13 14 23
1495. B. 3 23 53	JAN.	12 4 25	12 9 27
	FEB.	10 17 9	11 3 14
	MAR.	12 5 54	12 18 35
	APRIL	10 18 38	11 7 2
	MAY	10 7 22	10 16 52
	JUNE	8 20 6	9 0 56
	JULY	8 8 50	8 8 19
	AUG.	6 21 34	6 16 1
	SEPT.	5 10 18	5 0 59
	OCT.	4 23 2	4 11 50
	NOV.	3 11 46	3 0 56
	DEC.	3 0 30	2 16 15
1494. A. 4 5 42	JAN.	1 13 14 31 1 58	1 9 16 31 3 7
	FEB.	...	...
	MAR.	1 14 42 31 3 26	1 20 37 31 12 39
	APRIL	29 16 10	30 2 32
	MAY	29 4 54	29 14 5
	JUNE	27 17 38	27 23 50
	JULY	27 6 22	27 8 36
	AUG.	25 19 6	25 17 17
	SEPT.	24 7 50	24 2 41
	OCT.	23 20 34	23 13 16
	NOV.	22 9 18	22 1 13
	DEC.	21 22 2	21 14 35

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1493. G.F. April. *d. h. m.* 8 11 30	JAN.	20 10 46	20 5 15
	FEB.	18 23 30	18 20 59
	MAR.	19 12 15	19 13 12
	APRIL	18 0 59	18 5 10
	MAY	17 13 43	17 20 8
	JUNE	16 2 27	16 9 36
	JULY	15 15 11	15 21 34
	AUG.	14 8 55	14 8 22
	SEPT.	12 16 39	12 18 40
	OCT.	12 5 23	12 5 1
	NOV.	10 18 7	10 15 41
	DEC.	10 6 51	10 2 49
1492. E. 3 17 19	JAN.	8 19 35	8 14 24
	FEB.	7 8 19	7 2 39
	MAR.	8 21 4	8 15 50
	APRIL	7 9 48	7 6 0
	MAY	6 22 32	6 21 1
	JUNE	5 11 16	5 12 26
	JULY	5 0 0	5 3 32
	AUG.	3 12 44	3 17 51
	SEPT.	2 1 23	2 7 11
	OCT.	1 14 12 31 2 56	1 19 36 31 7 19
	NOV.	29 15 40	29 18 27
	DEC.	29 4 24	29 5 4
1491. D. 3 23 8	JAN.	27 17 8	27 15 16
	FEB.	26 5 52	26 1 23
	MAR.	27 18 36	27 12 2
	APRIL	26 7 20	25 23 53
	MAY	25 20 4	25 13 18
	JUNE	24 8 48	24 4 18
	JULY	23 21 32	23 20 22
	AUG.	22 10 16	22 12 46
	SEPT.	20 23 0	21 4 40
	OCT.	20 11 44	20 19 29
	NOV.	19 0 28	19 8 55
	DEC.	18 13 12	18 20 50

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1490. C. April. *d. h. m.* 4 4 57	JAN. .	17 1 56	17 7 17	B.C. 1487. F. April. *d. h. m.* 8 22 28	JAN. .	18 17 6	14 8 51
	FEB. .	15 14 40	15 16 31		FEB. .	12 5 50	12 19 30
	MAR. .	17 8 25	17 1 5		MAR. .	13 18 35	14 8 4
	APRIL	15 16 9	15 9 42		APRIL	12 7 19	12 17 47
	MAY .	15 4 58	14 19 23		MAY .	11 20 8	12 1 31
	JUNE .	13 17 37	13 6 57		JUNE .	10 8 47	10 8 19
	JULY .	13 6 21	12 20 53		JULY .	9 21 31	9 15 21
	AUG. .	11 19 5	11 13 5		AUG. .	8 10 15	7 23 34
	SEPT. .	10 7 49	10 6 44		SEPT. .	6 22 59	6 9 57
	OCT. .	9 20 33	10 0 44		OCT. .	6 11 43	5 23 1
	NOV. .	8 9 17	8 17 52		NOV. .	5 0 27	4 14 51
	DEC. .	7 22 1	8 9 11		DEC. .	4 13 11	4 8 58
1489. B.A.	JAN. .	6 10 45	6 22 12	1486. E.	JAN. .	3 1 55	3 8 52
	FEB. .	4 23 29	5 8 54		FEB. .	1 14 39	1 22 19
	MAR. .	5 12 13	5 17 42		MAR. .	3 8 23	3 14 52
8 10 46	APRIL	4 0 57	4 1 16	4 4 12	APRIL	1 16 7	2 4 43
	MAY .	3 13 41	3 8 33		MAY .	1 4 51 30 17 35	1 15 47 31 0 41
	JUNE .	2 2 25	1 16 36				
	JULY .	1 15 9 31 3 53	1 2 30 30 15 3		JUNE .	29 6 19	29 8 24
					JULY .	28 19 3	28 15 58
	AUG. .	29 16 37	29 6 34		AUG. .	27 7 47	27 0 24
	SEPT. .	28 5 21	28 0 30		SEPT. .	25 20 31	25 10 23
	OCT. .	27 18 5	27 19 40		OCT. .	25 9 15	24 22 23
	NOV. .	26 6 49	26 14 31		NOV. .	23 21 59	23 12 33
	DEC. .	25 19 33	26 7 33		DEC. .	23 10 43	23 4 38
1488. G.	JAN. .	24 8 17	24 21 58	1485. D.C.	JAN. .	21 23 27	21 21 59
	FEB. .	22 21 1	23 9 19		FEB. .	20 12 11	20 15 33
	MAR. .	24 9 46	24 18 16		MAR. .	21 0 56	21 8 18
8 16 35	APRIL	22 22 30	23 1 34	8 10 1	APRIL	19 13 40	19 23 15
	MAY .	22 11 14	22 8 14		MAY .	19 2 24	19 12 0
	JUNE .	20 23 58	20 15 24		JUNE .	17 15 8	17 22 43
	JULY .	20 12 42	20 0 7		JULY .	17 3 52	17 8 4
	AUG. .	19 1 26	18 11 23		AUG. .	15 16 36	15 16 55
	SEPT. .	17 14 10	17 1 43		SEPT. .	14 5 20	14 2 7
	OCT. .	17 2 54	16 18 57		OCT. .	13 18 4	13 12 13
	NOV. .	15 15 38	15 14 8		NOV. .	12 6 48	11 23 30
	DEC. .	15 4 22	15 9 39		DEC. .	11 19 32	11 12 8

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1484. B. April. d. h. m. 8 15 50	JAN. .	10 8 16	10 1 52	B.C. 1481. F.E. April. d. h. m. 8 9 16	JAN. .	7 23 26	8 6 34
	FEB. .	8 21 0	8 16 48		FEB. .	6 12 10	6 16 12
	MAR. .	10 9 45	10 8 35		MAR. .	7 0 55	7 0 50
	APRIL	8 22 29	9 0 35		APRIL	5 13 39	5 9 5
	MAY .	8 11 13	8 16 4		MAY .	5 2 23	4 17 55
	JUNE .	6 23 57	7 6 25		JUNE .	3 15 7	3 4 23
	JULY .	6 12 41	6 19 18		JULY .	3 3 51	2 17 2
	AUG. .	5 1 25	5 6 52		AUG. .	1 16 35	1 8 13
	SEPT. .	3 14 9	3 17 39			31 5 19	31 1 26
	OCT. .	3 2 58	3 4 9		SEPT. .	29 18 8	29 19 39
	NOV. .	1 15 37	1 14 47		OCT. .	29 6 47	29 13 34
	DEC. .	1 4 21	1 1 41		NOV. .	27 19 31	28 6 1
		30 17 5	30 12 53		DEC. .	27 8 15	27 20 15
1483. A. 8 21 39	JAN. .	29 5 49	29 0 31	1480. D. 8 15 5	JAN. .	25 20 59	26 8 1
	FEB. .	27 18 33	27 12 53		FEB. .	24 9 43	24 17 33
	MAR. .	29 7 17	29 2 15		MAR. .	25 22 27	26 1 28
	APRIL	27 20 1	27 16 41		APRIL	24 11 11	24 8 38
	MAY .	27 8 45	27 7 54		MAY .	23 23 55	23 16 4
	JUNE .	25 21 29	25 23 20		JUNE .	22 12 39	22 0 51
	JULY .	25 10 13	25 14 20		JULY .	22 1 23	21 12 2
	AUG. .	23 22 57	24 4 23		AUG. .	20 14 7	20 2 8
	SEPT. .	22 11 41	22 17 37		SEPT. .	19 2 51	18 19 4
	OCT. .	22 0 25	22 5 53		OCT. .	18 15 35	18 13 57
	NOV. .	20 13 9	20 17 25		NOV. .	17 4 19	17 9 15
	DEC. .	20 1 53	20 4 16		DEC. .	16 17 3	17 3 25
1482. C. 4 3 28	JAN. .	18 14 37	18 14 28	1479. C. 3 20 54	JAN. .	15 5 47	15 19 10
	FEB. .	17 3 21	17 0 19		FEB. .	13 18 31	14 7 57
	MAR. .	18 16 6	18 10 22		MAR. .	15 7 16	15 17 57
	APRIL	17 4 50	16 21 17		APRIL	13 20 0	14 1 51
	MAY .	16 17 34	16 9 43		MAY .	13 8 44	13 8 39
	JUNE .	15 6 18	14 23 54		JUNE .	11 21 28	11 15 24
	JULY .	14 19 2	14 15 37		JULY .	11 10 12	10 23 15
	AUG. .	13 7 46	13 8 9		AUG. .	9 22 56	9 9 14
	SEPT. .	11 20 30	12 0 39		SEPT. .	8 11 40	7 22 5
	OCT. .	11 9 14	11 16 22		OCT. .	8 0 24	7 14 0
	NOV. .	9 21 58	10 6 43		NOV. .	6 13 8	6 8 23
	DEC. .	9 10 42	9 19 29		DEC. .	6 1 52	6 3 54

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1478. B.	JAN. .	4 14 36	4 22 56
	FEB. .	3 3 21	3 15 55
April. *d. h. m.* 4 2 43	MAR. .	4 16 5	5 5 56
	APRIL	3 4 49	3 16 57
	MAY .	2 17 33	3 1 31
	JUNE .	1 6 17 / 30 19 1	1 8 42 / 30 15 32
	JULY .	30 7 45	29 23 10
	AUG. .	28 20 29	28 8 29
	SEPT. .	27 9 13	26 20 15
	OCT. .	26 21 57	26 10 45
	NOV. .	25 10 41	25 3 44
	DEC. .	24 23 25	24 22 17
1477. A.G.	JAN. .	23 12 9	23 17 1
	FEB. .	22 0 58	22 10 31
	MAR. .	22 13 37	23 1 41
3 3 32	APRIL	21 2 21	21 14 6
	MAY .	20 15 5	21 0 2
	JUNE .	19 3 49	19 8 19
	JULY .	18 16 33	18 16 1
	AUG. .	17 5 17	17 0 5
	SEPT. .	15 18 1	15 9 23
	OCT. .	15 6 45	14 20 26
	NOV. .	13 19 29	13 9 31
	DEC. .	13 8 13	13 0 32
1476. F.	JAN. .	11 20 57	11 17 7
	FEB. .	10 9 41	10 10 28
	MAR. .	11 22 26	12 3 31
3 14 21	APRIL	10 11 10	10 19 24
	MAY .	9 23 54	10 9 18
	JUNE .	8 12 38	8 21 6
	JULY .	8 1 22	8 7 13
	AUG. .	6 14 6	6 16 26
	SEPT. .	5 2 50	5 1 36
	OCT. .	4 15 34	4 11 23
	NOV. .	3 4 18	2 22 8
	DEC. .	2 17 2	2 10 0 / 31 22 59

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1475. E.	JAN. .	1 5 46 / 30 18 30	... / 30 13 7
	FEB. .	...	...
April. *d. h. m.* 3 20 9	MAR. .	1 7 14 / 30 19 58	1 4 14 / 30 19 57
	APRIL	29 8 42	29 11 40
	MAY .	28 21 26	29 2 40
	JUNE .	27 10 10	27 16 28
	JULY .	26 22 54	27 4 55
	AUG. .	25 11 38	25 16 18
	SEPT. .	24 0 22	24 3 8
	OCT. .	23 13 6	23 13 52
	NOV. .	22 1 50	22 0 40
	DEC. .	21 14 34	21 11 37
1474. D.	JAN. .	20 3 18	19 22 48
	FEB. .	18 16 2	18 10 29
	MAR. .	20 4 47	19 23 2
4 1 58	APRIL	18 17 31	18 12 43
	MAY .	18 6 15	18 3 28
	JUNE .	16 18 59	16 18 55
	JULY .	16 7 43	16 10 22
	AUG. .	14 20 27	15 1 13
	SEPT. .	13 9 11	13 15 10
	OCT. .	12 21 55	13 4 8
	NOV. .	11 10 39	11 16 11
	DEC. .	10 23 23	11 3 22
1473. C.B.	JAN. .	9 12 7	9 13 46
	FEB. .	8 0 51	7 23 33
	MAR. .	8 13 36	8 9 10
3 7 47	APRIL	7 2 20	6 19 18
	MAY .	6 15 4	6 6 42
	JUNE .	5 3 48	4 19 55
	JULY .	4 16 32	4 10 56
	AUG. .	3 5 16	3 3 19
	SEPT. .	1 18 0	1 20 11
	OCT. .	1 6 44 / 30 19 28	1 12 40 / 31 3 59
	NOV. .	29 8 12	29 17 41
	DEC. .	28 20 56	29 5 35

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1472. A. April. *d. h. m.* 3 18 36	JAN. .	27 9 40	27 15 48	B.C. 1469. E.D. April. *d. h. m.* 3 7 2	JAN. .	25 0 50	25 11 35
	FEB. .	25 22 24	26 0 39		FEB. .	23 13 34	24 3 3
	MAR. .	27 11 8	27 8 46		MAR. .	24 2 18	24 15 29
	APRIL	25 23 52	25 17 0		APRIL	22 15 2	23 1 9
	MAY .	25 12 36	25 2 23		MAY .	22 3 46	22 8 53
	JUNE .	24 1 20	23 18 49		JUNE .	20 16 30	20 15 50
	JULY .	23 14 4	23 3 48		JULY .	20 5 14	19 23 4
	AUG. .	22 2 48	21 20 12		AUG. .	18 17 58	18 7 34
	SEPT. .	20 15 32	20 14 15		SEPT. .	17 6 42	16 18 10
	OCT. .	20 4 16	20 8 41		OCT. .	16 19 26	16 7 19
	NOV. .	18 17 0	19 2 11		NOV. .	15 8 10	14 23 6
	DEC. .	18 5 44	18 17 40		DEC. .	14 20 54	14 16 53
1471. G. 3 19 25	JAN. .	16 18 28	17 6 37	1468. C. 3 12 51	JAN. .	13 9 38	13 11 32
	FEB. .	15 7 12	15 17 6		FEB. .	11 22 22	12 5 38
	MAR. .	16 19 57	17 1 36		MAR. .	13 11 7	13 21 58
	APRIL	15 8 41	15 8 53		APRIL	11 23 51	12 11 44
	MAY .	14 21 25	14 15 56		MAY .	11 12 35	11 22 53
	JUNE .	13 10 9	12 23 51		JUNE .	10 1 19	10 7 58
	JULY .	12 22 58	12 9 44		JULY .	9 14 3	9 15 59
	AUG. .	11 11 37	10 22 24		AUG. .	8 2 47	7 23 58
	SEPT. .	10 0 21	9 14 4		SEPT. .	6 15 31	6 8 44
	OCT. .	9 13 5	9 8 13		OCT. .	6 4 15	5 19 0
	NOV. .	8 1 49	8 3 37		NOV. .	4 16 59	4 7 3
	DEC. .	7 14 33	7 22 38		DEC. .	4 5 43	3 21 2
1470. F. 4 1 14	JAN. .	6 3 17	6 15 41	1467. B. 3 18 40	JAN. .	2 18 27	2 12 43
	FEB. .	4 16 1	5 5 55		FEB. .	1 7 11	1 5 31
	MAR. .	6 4 46	6 17 10		MAR. .	2 19 56	2 22 39
	APRIL	4 17 30	5 1 55		APRIL	1 8 40 30 21 24	1 15 4
	MAY .	4 6 14	4 9 4		MAY .	30 10 8	1 5 57 30 18 50
	JUNE .	2 18 58	2 15 41		JUNE .	28 22 52	29 5 56
	JULY .	3 7 42 31 20 26	1 22 53 31 7 46		JULY .	28 11 36	28 15 44
	AUG. .	30 9 10	29 19 11		AUG. .	27 0 20	27 1 6
	SEPT. .	28 21 54	28 9 39		SEPT. .	25 13 4	25 10 42
	OCT. .	28 10 38	28 2 57		OCT. .	25 1 48	24 21 5
	NOV. .	26 23 22	26 22 6		NOV. .	23 14 32	23 8 22
	DEC. .	26 12 6	26 17 32		DEC. .	23 3 16	22 20 38

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1466. A. April. d. h. m. 4 0 29	JAN. .	21 16 0	21 9 57	B.C. 1463. D. April. d. h. m. 3 17 55	JAN. .	18 7 10	18 15 10
	FEB. .	20 4 44	20 0 17		FEB. .	16 19 54	17 0 29
	MAR. .	21 17 28	21 15 29		MAR. .	18 8 38	18 8 40
	APRIL	20 6 12	20 7 8		APRIL	16 21 22	16 16 31
	MAY .	19 18 56	19 22 33		MAY .	16 10 6	16 1 3
	JUNE .	18 7 40	18 13 7		JUNE .	14 22 50	14 11 16
	JULY .	17 20 24	18 2 26		JULY .	14 11 34	13 23 57
	AUG. .	16 9 8	16 14 35		AUG. .	13 0 18	12 15 17
	SEPT. .	14 21 52	15 1 56		SEPT. .	11 13 2	11 8 49
	OCT. .	14 10 36	14 12 53		OCT. .	11 1 46	11 3 26
	NOV. .	12 23 20	12 23 43		NOV. .	9 14 30	9 21 44
	DEC. .	12 12 4	12 10 34		DEC. .	9 3 14	9 14 25
1465. G.F. 3 6 18	JAN. .	11 0 48	10 21 27	1462. C. 3 23 44	JAN. .	7 15 58	8 4 40
	FEB. .	9 13 32	9 8 35		FEB. .	6 4 42	6 16 16
	MAR. .	10 2 17	9 20 21		MAR. .	7 17 27	8 1 32
	APRIL	8 15 1	8 9 10		APRIL	6 6 11	6 9 11
	MAY .	8 3 45	7 23 15		MAY .	5 18 55	5 16 5
	JUNE .	6 16 29	6 14 23		JUNE .	4 7 39	3 23 23
	JULY .	6 5 13	6 6 0		JULY .	3 20 23	3 8 9
	AUG. .	4 17 57	4 21 28		AUG. .	2 9 7 / 31 21 51	1 19 23 / 31 9 38
	SEPT. .	3 6 41	3 12 13				
	OCT. .	2 19 25	3 1 57		SEPT. .	30 10 35	30 2 46
	NOV. .	1 8 9 / 30 20 53	1 14 40		OCT. .	29 23 19	29 21 51
					NOV. .	28 12 3	28 17 21
	DEC. .	30 9 37	1 2 20 / 30 13 4		DEC. .	28 0 47	28 11 31
1464. E. 3 12 7	JAN. .	28 22 21	28 22 56	1461. B.A. 3 5 33	JAN. .	26 13 31	27 3 10
	FEB. .	27 11 5	27 8 19		FEB. .	25 2 15	25 15 48
	MAR. .	28 23 50	28 17 51		MAR. .	25 14 59	26 1 36
	APRIL	27 12 34	27 4 17		APRIL	24 3 43	24 9 21
	MAY .	27 1 18	26 16 25		MAY .	23 16 27	23 16 4
	JUNE .	25 14 2	25 6 32		JUNE .	22 5 11	21 22 52
	JULY .	25 2 46	24 22 25		JULY .	21 17 55	21 6 52
	AUG. .	23 15 30	23 15 22		AUG. .	20 6 39	19 17 1
	SEPT. .	22 4 14	22 8 26		SEPT. .	18 19 23	18 6 0
	OCT. .	21 16 58	22 0 39		OCT. .	18 8 7	17 22 0
	NOV. .	20 5 42	20 15 23		NOV. .	16 20 51	16 16 23
	DEC. .	19 18 26	20 4 14		DEC. .	16 9 35	16 11 49

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1460. G. April. d. h. m. 8 11 22	JAN. .	14 22 19	15 6 39	B.C. 1457. D.C. April. d. h. m. 8 4 48	JAN. .	12 18 29	12 7 18
	FEB. .	13 11 8	13 23 26		FEB. .	11 2 13	10 20 50
	MAR. .	14 23 48	15 13 19		MAR. .	11 14 58	11 11 21
	APRIL	13 12 32	14 0 15		APRIL	10 8 42	10 2 37
	MAY .	13 1 16	13 8 50		MAY .	9 16 26	9 18 8
	JUNE .	11 14 0	11 16 7		JUNE .	8 5 10	8 9 14
	JULY .	11 2 44	10 23 11		JULY .	7 17 54	7 23 24
	AUG. .	9 15 28	9 7 5		AUG. .	6 6 38	6 12 23
	SEPT. .	8 4 12	7 16 42		SEPT. .	4 19 22	5 0 23
	OCT. .	7 16 56	7 4 38		OCT. .	4 8 6	4 11 45
	NOV. .	6 5 40	5 19 7		NOV. .	2 20 50	2 22 46
	DEC. .	5 18 24	5 11 53		DEC. .	2 9 34 31 22 18	2 9 38 31 20 23
1459. F. 8 17 11	JAN. .	4 7 8	4 6 4	1456. B. 8 10 37	JAN. .	30 11 2	30 7 6
	FEB. .	2 19 52	3 0 26		FEB. .	28 23 47	28 18 13
	MAR. .	4 8 37	4 17 38		MAR. .	30 12 31	30 6 10
	APRIL	2 21 21	3 8 40		APRIL	29 1 15	28 19 24
	MAY .	2 10 5 31 22 49	2 21 6		MAY .	28 13 59	28 9 57
	JUNE .	30 11 33	1 7 13 30 15 48		JUNE .	27 2 43	27 1 27
	JULY .	30 0 17	29 23 51		JULY .	26 15 27	26 17 17
	AUG. .	28 13 1	28 8 20		AUG. .	25 4 11	25 8 43
	SEPT. .	27 1 45	26 17 57		SEPT. .	23 16 55	23 23 17
	OCT. .	26 14 29	26 5 9		OCT. .	23 5 39	23 12 45
	NOV. .	25 3 13	24 18 8		NOV. .	21 18 23	22 1 4
	DEC. .	24 15 57	24 8 50		DEC. .	21 7 7	21 12 15
1458. E. 8 23 0	JAN. .	23 4 41	23 0 53	1455. A. 8 16 26	JAN. .	19 19 51	19 22 23
	FEB. .	21 17 25	21 17 42		FEB. .	18 8 35	18 7 44
	MAR. .	23 6 9	23 10 22		MAR. .	19 21 19	19 16 49
	APRIL	21 18 53	22 2 3		APRIL	18 10 3	18 2 23
	MAY .	21 7 37	21 16 0		MAY .	17 22 47	17 13 20
	JUNE .	19 20 21	20 4 6		JUNE .	16 11 31	16 2 32
	JULY .	19 9 5	19 14 40		JULY .	16 0 15	15 17 39
	AUG. .	17 21 49	18 0 24		AUG. .	14 12 59	14 10 21
	SEPT. .	16 10 33	16 10 4		SEPT. .	13 1 43	13 3 43
	OCT. .	15 23 17	15 20 11		OCT. .	12 14 27	12 20 44
	NOV. .	14 12 1	14 7 2		NOV. .	11 3 11	11 12 29
	DEC. .	14 0 45	13 18 44		DEC. .	10 15 55	11 2 22

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1454. G. April. d. h. m. 8 22 15	JAN. .	9 4 39	9 14 13	B.C. 1451. C. April. d. h. m. 8 15 41	JAN. .	5 19 49	6 1 16
	FEB. .	7 17 23	8 0 9		FEB. .	4 8 33	4 18 58
	MAR. .	9 6 8	9 8 39		MAR. .	5 21 18	6 10 27
	APRIL	7 18 52	7 16 22		APRIL	4 10 2	4 22 46
	MAY .	7 7 36	7 0 16		MAY .	3 22 46	4 8 25
	JUNE .	5 20 20	5 9 25		JUNE .	2 11 30	2 16 16
	JULY .	5 9 4	4 20 46		JULY .	2 0 14	1 23 25
	AUG. .	3 21 48	3 10 51			31 12 58	31 6 56
	SEPT. .	2 10 32	2 3 30		AUG. .	30 1 42	29 15 44
	OCT. .	1 23 16	1 21 56		SEPT. .	28 14 26	28 2 33
		31 12 0	31 16 45		OCT. .	28 3 10	27 15 47
	NOV. .	30 0 44	30 10 40		NOV. .	26 15 54	26 7 24
	DEC. .	29 13 28	30 2 4		DEC. .	26 4 38	26 0 51
1453. F.E. 8 4 4	JAN. .	28 2 12	28 14 55	1450. E. 8 21 30	JAN. .	24 17 22	24 19 4
	FEB. .	26 14 56	27 1 9		FEB. .	23 6 6	23 12 49
	MAR. .	27 3 41	27 9 23		MAR. .	24 18 51	25 4 56
	APRIL	25 16 25	25 16 24		APRIL	23 7 35	23 18 39
	MAY .	25 5 9	24 23 18		MAY .	22 20 19	23 5 56
	JUNE .	23 17 53	23 7 11		JUNE .	21 9 3	21 15 19
	JULY .	23 6 37	22 17 6		JULY .	20 21 47	20 23 41
	AUG. .	21 19 21	21 5 53		AUG. .	19 10 31	19 3 4
	SEPT. .	20 8 5	19 21 44		SEPT. .	17 23 15	17 17 13
	OCT. .	19 20 49	19 16 5		OCT. .	17 11 59	17 3 43
	NOV. .	18 9 33	18 11 37		NOV. .	16 0 43	15 15 47
	DEC. .	17 22 17	18 6 40		DEC. .	15 13 27	15 5 31
1452. D. 8 9 53	JAN. .	16 11 1	16 23 42	1449. A.G. 8 3 19	JAN. .	14 2 11	13 20 42
	FEB. .	14 23 45	15 13 47		FEB. .	12 14 55	12 12 56
	MAR. .	16 12 29	17 0 51		MAR. .	13 3 39	13 5 35
	APRIL	15 1 13	15 9 25		APRIL	11 16 23	11 21 42
	MAY .	14 13 57	14 16 30		MAY .	11 5 7	11 12 34
	JUNE .	13 2 41	12 23 9		JUNE .	9 17 51	10 1 42
	JULY .	12 15 25	12 6 28		JULY .	9 6 35	9 13 11
	AUG. .	11 4 9	10 15 31		AUG. .	7 19 19	7 23 30
	SEPT. .	9 16 53	9 3 8		SEPT. .	6 8 3	6 9 21
	OCT. .	9 5 37	8 17 42		OCT. .	5 20 47	5 19 24
	NOV. .	7 18 21	7 11 1		NOV. .	4 9 31	4 5 58
	DEC. .	7 7 5	7 6 2		DEC. .	3 22 15	3 17 13

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1448. F.	JAN.	2 10 59	2 5 10
		31 23 43	31 17 55
	FEB.	...	...
April. *d. h. m.* 8 9 8	MAR.	2 12 28	2 7 39
			31 22 19
	APRIL	1 1 12	
		30 18 56	30 13 38
	MAY	30 2 40	30 5 0
	JUNE	28 15 24	28 19 49
	JULY	28 4 8	28 9 40
	AUG.	26 16 52	26 22 26
	SEPT.	25 5 36	25 10 20
	OCT.	24 18 20	24 21 42
	NOV.	23 7 4	23 8 43
	DEC.	22 19 48	22 19 26
1447. E.	JAN.	21 8 32	21 5 57
	FEB.	19 21 16	19 16 32
	MAR.	21 10 0	21 3 42
8 14 57	APRIL	19 22 44	19 16 0
	MAY	19 11 28	19 5 46
	JUNE	18 0 12	17 20 51
	JULY	17 12 56	17 12 45
	AUG.	16 1 40	16 4 42
	SEPT.	14 14 24	14 20 3
	OCT.	14 3 8	14 10 22
	NOV.	12 15 52	12 23 26
	DEC.	12 4 36	12 11 14
1446. D.	JAN.	10 17 20	10 21 46
	FEB.	9 6 4	9 7 16
	MAR.	10 18 49	10 16 10
8 20 46	APRIL	9 7 33	9 1 11
	MAY	8 20 17	8 11 15
	JUNE	7 9 1	6 23 7
	JULY	6 21 45	6 13 12
	AUG.	5 10 29	5 5 19
	SEPT.	3 23 13	3 22 42
	OCT.	3 11 57	3 16 17
	NOV.	2 0 41	2 8 59
	DEC.	1 13 25	2 0 0
		31 2 9	31 12 52

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1445. C.B.	JAN.	29 14 53	29 23 37
	FEB.	28 3 37	28 8 34
April. *d. h. m.* 8 2 35	MAR.	28 16 22	28 16 24
	APRIL	27 5 6	26 23 56
	MAY	26 17 50	26 8 13
	JUNE	25 6 34	24 18 18
	JULY	24 19 18	24 7 1
	AUG.	23 8 2	22 22 32
	SEPT.	21 20 46	21 16 22
	OCT.	21 9 30	21 11 19
	NOV.	19 22 14	20 5 55
	DEC.	19 10 58	19 22 45
1444. A.	JAN.	17 23 42	18 12 58
	FEB.	16 12 26	17 0 22
	MAR.	18 1 10	18 9 22
3 8 23	APRIL	16 13 54	16 16 45
	MAY	16 2 38	15 23 30
	JUNE	14 15 22	14 6 43
	JULY	14 4 6	13 15 32
	AUG.	12 16 50	12 2 51
	SEPT.	11 5 34	10 17 16
	OCT.	10 13 18	10 10 34
	NOV.	9 7 2	9 5 46
	DEC.	8 19 46	9 1 17
1443. G.	JAN.	7 8 30	7 19 27
	FEB.	5 21 14	6 11 1
	MAR.	7 9 59	7 23 30
8 14 12	APRIL	5 22 43	6 9 9
	MAY	5 11 27	5 16 49
	JUNE	4 0 11	3 23 33
	JULY	3 12 55	3 6 28
	AUG.	2 1 30	1 14 38
		31 14 23	31 0 58
	SEPT.	30 3 7	29 14 7
	OCT.	29 15 51	29 6 9
	NOV.	28 4 35	28 0 24
	DEC.	27 17 19	27 19 38

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1442. F. April. *d. h. m.* 3 20 1	JAN. .	26 6 8	26 14 15	B.C. 1439. B. April. *d. h. m.* 3 13 27	JAN. .	22 21 13	22 15 33
	FEB. .	21 18 47	25 6 49		FEB. .	21 9 57	21 4 28
	MAR. .	26 7 32	26 20 36		MAR. .	22 22 42	22 18 23
	APRIL	24 20 16	25 7 29		APRIL	21 11 26	21 9 13
	MAY .	24 9 0	24 16 9		MAY .	21 0 10	21 0 35
	JUNE .	22 21 44	22 23 37		JUNE .	19 12 54	19 15 50
	JULY .	22 10 28	22 6 58		JULY .	19 1 38	19 6 24
	AUG. .	20 23 12	20 15 10		AUG. .	17 14 22	17 19 58
	SEPT. .	19 11 56	19 1 4		SEPT. .	16 3 6	16 8 34
	OCT. .	19 0 40	18 13 7		OCT. .	15 15 50	15 20 24
	NOV. .	17 13 24	17 8 32		NOV. .	14 4 34	14 7 48
	DEC. .	17 2 8	16 20 0		DEC. .	13 17 18	13 18 35
1441. E.D. 3 1 50	JAN. .	15 14 52	15 13 47	1438. A. 3 19 16	JAN. .	12 6 2	12 5 2
	FEB. .	14 3 36	14 7 44		FEB. .	10 18 46	10 15 17
	MAR. .	14 16 20	15 0 37		MAR. .	12 7 30	12 1 48
	APRIL	13 5 4	13 15 31		APRIL	10 20 14	10 13 13
	MAY .	12 17 48	13 4 1		MAY .	10 8 58	10 2 1
	JUNE .	11 6 32	11 14 22		JUNE .	8 21 42	8 16 26
	JULY .	10 19 16	10 23 19		JULY .	8 10 26	8 8 4
	AUG. .	9 8 0	9 7 49		AUG. .	6 23 10	7 0 18
	SEPT. .	7 20 44	7 16 41		SEPT. .	5 11 54	5 16 18
	OCT. .	7 9 28	7 2 37		OCT. .	5 0 38	5 7 28
	NOV. .	5 22 12	5 13 55		NOV. .	3 13 22	3 21 24
	DEC. .	5 10 56	5 2 45		DEC. .	3 2 6	3 9 56
1440. C. 3 7 33	JAN. .	3 23 40	3 17 1	1437. G.F. 3 1 5	JAN. .	1 14 50 31 3 34	1 21 2 31 6 51
	FEB. .	2 12 24	2 8 31				
	MAR. .	4 1 9	4 0 48		FEB. .	29 16 18	29 15 45
	APRIL	2 13 53	2 17 6		MAR. .	30 5 3	30 0 23
	MAY .	2 2 37 31 15 21	2 8 36 31 22 43		APRIL	28 17 47	28 9 37
					MAY .	28 6 31	27 20 21
	JUNE .	30 4 5	30 11 10		JUNE .	26 19 15	26 9 16
	JULY .	29 16 49	29 22 15		JULY .	26 7 59	26 0 29
	AUG. .	28 5 33	28 8 30		AUG. .	24 20 43	24 17 32
	SEPT. .	26 18 17	26 18 37		SEPT. .	23 9 27	23 11 22
	OCT. .	26 7 1	26 5 4		OCT. .	22 22 11	23 4 53
	NOV. .	24 19 45	24 15 58		NOV. .	21 10 55	21 20 59
	DEC. .	24 8 29	24 3 26		DEC. .	20 23 39	21 11 0

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1436. E.	JAN. .	19 12 28	19 22 44	B.C. 1433. B.A.	JAN. .	17 8 33	17 8 56
	FEB. .	18 1 7	18 8 23		FEB. .	15 16 17	16 2 33
April. d. h. m.	MAR. .	19 18 52	19 16 31	April. d. h. m.	MAR. .	16 5 1	16 17 40
8 6 54	APRIL	18 2 36	17 23 55	8 0 20	APRIL	14 17 45	15 5 56
	MAY .	17 15 20	17 7 33		MAY .	14 6 29	14 15 38
	JUNE .	16 4 4	15 16 33		JUNE .	12 19 13	12 23 40
	JULY .	15 16 48	15 8 52		JULY .	12 7 57	12 7 5
	AUG. .	14 5 32	13 18 4		AUG. .	10 20 41	10 14 55
	SEPT. .	12 18 16	12 10 58		SEPT. .	9 9 25	9 0 2
	OCT. .	12 7 0	12 5 41		OCT. .	8 22 9	8 11 3
	NOV. .	10 19 44	11 0 47		NOV. .	7 10 53	7 0 18
	DEC. .	10 8 28	10 18 44		DEC. .	6 23 37	6 15 41
1435. D.	JAN. .	8 21 12	9 10 20	1432. G.	JAN. .	5 12 21	5 8 44
	FEB. .	7 9 56	7 23 8		FEB. .	4 1 5	4 2 30
	MAR. .	8 22 40	9 9 4		MAR. .	5 13 50	5 19 53
8 12 43	APRIL	7 11 24	7 17 1	8 6 9	APRIL	4 2 34	4 11 46
	MAY .	7 0 8	6 23 52		MAY .	3 15 18	4 1 28
	JUNE .	5 12 52	5 6 42		JUNE .	2 4 2	2 12 57
	JULY .	5 1 36	4 14 35		JULY .	1 16 46	1 22 39
	AUG. .	3 14 20	3 0 36			31 5 30	31 7 27
	SEPT. .	2 3 4	1 13 32		AUG. .	29 18 14	29 16 17
	OCT. .	1 15 48	1 5 31		SEPT. .	28 6 58	28 1 49
		31 4 32	31 0 0		OCT. .	27 19 42	27 12 31
	NOV. .	29 17 16	29 19 34		NOV. .	26 8 26	26 0 32
	DEC. .	29 6 0	29 14 35		DEC. .	25 21 10	25 13 56
1434. C.	JAN. .	27 18 44	28 7 31	1431. F.	JAN. .	24 9 54	24 4 35
	FEB. .	26 7 28	26 21 27		FEB. .	22 22 38	22 20 14
	MAR. .	27 20 13	28 8 23		MAR. .	24 11 23	24 12 23
8 18 31	APRIL	26 8 57	26 16 52	8 11 58	APRIL	23 0 7	23 4 15
	MAY .	25 21 41	25 23 56		MAY .	22 12 51	22 19 8
	JUNE .	24 10 25	24 6 41		JUNE .	21 1 35	21 8 34
	JULY .	23 23 9	23 14 12		JULY .	20 14 19	20 20 31
	AUG. .	22 11 58	21 23 28		AUG. .	19 3 3	19 7 23
	SEPT. .	21 0 37	20 11 15		SEPT. .	17 15 47	17 17 46
	OCT. .	20 13 21	20 1 54		OCT. .	17 4 31	17 4 13
	NOV. .	19 2 5	18 19 8		NOV. .	15 17 15	15 14 57
	DEC. .	18 14 49	18 13 57		DEC. .	15 5 59	15 2 4

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1430. E. April. d. h. m. 8 17 47	JAN. .	13 18 43	13 18 37	B.C. 1427. A. April. d. h. m. 8 11 13	JAN. .	10 9 58	10 21 25
	FEB. .	12 7 27	12 1 48		FEB. .	8 22 37	9 7 56
	MAR. .	13 20 11	13 14 55		MAR. .	10 11 21	10 16 33
	APRIL	12 8 55	12 5 2		APRIL	9 0 5	9 0 2
	MAY .	11 21 39	11 20 4		MAY .	8 12 49	8 7 17
	JUNE .	10 10 23	10 11 28		JUNE .	7 1 33	6 15 24
	JULY .	9 23 7	10 2 38		JULY .	6 14 17	6 1 25
	AUG. .	8 11 51	8 16 59		AUG. .	5 3 1	4 14 12
	SEPT. .	7 0 35	7 6 22		SEPT. .	3 15 45	3 5 55
	OCT. .	6 13 19	6 18 49		OCT. .	3 4 29	3 0 1
	NOV. .	5 2 8	5 6 33		NOV. .	1 17 13	1 19 16
	DEC. .	4 14 47	4 17 41		DEC. .	1 5 57 30 18 41	1 14 4 31 6 59
1429. D.C.	JAN. .	3 3 31	3 4 14				
	FEB. .	1 16 16	1 14 19	1426. G.	JAN. .	29 7 25	29 21 6
	MAR. .	2 5 0 31 17 44	2 0 23 31 10 59		FEB. .	27 20 9	28 8 18
					MAR. .	29 8 54	29 17 5
2 23 36	APRIL	30 6 28	29 22 49	3 17 2	APRIL	27 21 38	28 0 16
	MAY .	29 19 12	29 12 18		MAY .	27 10 22	27 6 55
	JUNE .	28 7 56	28 3 24		JUNE .	25 23 6	25 14 10
	JULY .	27 20 40	27 19 36		JULY .	25 11 50	24 23 3
	AUG. .	26 9 24	26 12 4		AUG. .	24 0 34	23 10 32
	SEPT. .	24 22 8	25 4 1		SEPT. .	22 13 18	22 1 6
	OCT. .	24 10 52	24 18 51		OCT. .	22 2 2	21 18 30
	NOV. .	22 23 36	23 8 15		NOV. .	20 14 46	20 13 44
	DEC. .	22 12 20	22 20 4		DEC. .	20 3 30	20 9 13
1428. E.	JAN. .	21 1 4	21 6 23	1425. F.E.	JAN. .	18 16 14	19 3 17
	FEB. .	19 13 48	19 15 29		FEB. .	17 4 58	17 18 42
	MAR. .	21 2 33	20 23 56		MAR. .	17 17 43	18 7 2
3 5 21	APRIL	19 15 17	19 8 31	2 22 51	APRIL	16 6 27	16 16 35
	MAY .	19 4 1	18 18 13		MAY .	15 19 11	16 0 13
	JUNE .	17 16 45	17 5 55		JUNE .	14 7 55	14 7 2
	JULY .	17 5 29	16 20 2		JULY .	13 20 39	13 14 7
	AUG. .	15 18 13	15 12 23		AUG. .	12 9 23	11 22 31
	SEPT. .	14 6 57	14 6 10		SEPT. .	10 22 7	10 9 5
	OCT. .	13 19 41	14 0 15		OCT. .	10 10 51	9 22 22
	NOV. .	12 8 25	12 17 21		NOV. .	8 23 35	8 14 22
	DEC. .	11 21 9	12 8 34		DEC. .	8 12 19	8 8 27

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1424. D. April. *d. h. m.* 8 4 40	JAN. .	7 1 8	7 8 24	B.C. 1421. A.G. April. *d. h. m.* 2 22 6	JAN. .	4 16 12	4 12 4
	FEB. .	5 18 47	5 21 42		FEB. .	3 4 56	2 23 39
	MAR. .	7 2 31	7 14 3		MAR. .	3 17 41	3 11 59
	APRIL	5 15 15	6 8 41		APRIL	2 6 25	2 1 19
	MAY .	5 3 59	5 14 37		MAY .	1 19 9 31 7 53	1 15 45 31 6 58
	JUNE .	3 16 43	3 23 26		JUNE .	29 20 37	29 22 26
	JULY .	3 5 27	3 7 9		JULY .	29 9 21	29 13 29
	AUG. .	1 18 11 31 6 55	1 14 50 30 23 24		AUG. .	27 22 5	28 3 39
	SEPT. .	29 19 39	29 9 33		SEPT. .	26 10 49	26 16 51
	OCT. .	29 8 23	28 21 43		OCT. .	25 23 33	26 5 10
	NOV. .	27 21 7	27 11 59		NOV. .	24 12 17	24 16 40
	DEC. .	27 9 51	27 4 6		DEC. .	24 1 1	24 3 26
1423. C. 3 10 29	JAN. .	25 22 35	25 21 24	1420. F. 3 3 55	JAN. .	22 13 45	22 13 33
	FEB. .	24 11 19	24 14 52		FEB. .	21 2 29	20 23 19
	MAR. .	26 0 4	26 7 27		MAR. .	22 15 14	22 9 18
	APRIL	24 12 48	24 22 16		APRIL	21 3 58	20 20 12
	MAY .	24 1 32	24 10 55		MAY .	20 16 42	20 8 41
	JUNE .	22 14 16	22 21 34		JUNE .	19 5 26	18 22 58
	JULY .	22 3 0	22 6 56		JULY .	18 18 10	18 14 48
	AUG. .	20 15 44	20 15 53		AUG. .	17 6 54	17 7 26
	SEPT. .	19 4 28	19 1 13		SEPT. .	15 19 33	16 0 2
	OCT. .	18 17 12	18 11 26		OCT. .	15 8 22	15 15 45
	NOV. .	17 5 56	16 22 47		NOV. .	13 21 6	14 6 5
	DEC. .	16 18 40	16 11 22		DEC. .	13 9 50	13 18 44
1422. B. 3 16 17	JAN. .	15 7 24	15 1 10	1419. E. 3 9 44	JAN. .	11 22 34	12 5 42
	FEB. .	13 20 8	13 16 5		FEB. .	10 11 18	10 15 13
	MAR. .	15 8 52	15 7 45		MAR. .	12 0 2	11 23 41
	APRIL	13 21 36	13 23 41		APRIL	10 12 46	10 7 52
	MAY .	13 10 20	13 15 6		MAY .	10 1 30	9 16 43
	JUNE .	11 23 4	12 5 23		JUNE .	8 14 14	8 3 14
	JULY .	11 11 48	11 18 17		JULY .	8 2 58	7 16 5
	AUG. .	10 0 32	10 5 53		AUG. .	6 15 42	6 7 27
	SEPT. .	8 13 16	8 16 44		SEPT. .	5 4 26	5 0 50
	OCT. .	8 2 0	8 3 19		OCT. .	4 17 10	4 19 8
	NOV. .	6 14 44	6 14 0		NOV. .	3 5 54	3 13 3
	DEC. .	6 3 28	6 0 55		DEC. .	2 18 38	3 5 27

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1418. D.	JAN. .	1 7 22	1 19 31
		30 20 6	31 7 5
	FEB. .	...	...
April. *d. h. m.* 3 15 33	MAR. .	1 8 51	1 16 28
		30 21 35	31 0 16
	APRIL	29 10 19	29 7 21
	MAY .	28 23 8	28 14 49
	JUNE .	27 11 47	26 23 43
	JULY .	27 0 31	26 11 4
	AUG. .	25 13 15	25 1 25
	SEPT. .	24 1 59	23 13 33
	OCT. .	23 14 43	23 13 31
	NOV. .	22 3 27	22 8 51
	DEC. .	21 16 11	22 2 54
1417. C.B.	JAN. .	20 4 55	20 13 27
	FEB. .	18 17 39	19 7 1
	MAR. .	19 6 24	19 16 49
2 21 22	APRIL	17 19 8	18 0 35
	MAY .	17 7 52	17 7 19
	JUNE .	15 20 36	15 14 7
	JULY .	15 9 20	14 22 6
	AUG. .	13 22 4	13 8 17
	SEPT. .	12 10 48	11 21 22
	OCT. .	11 23 32	11 13 29
	NOV. .	10 12 16	10 7 59
	DEC. .	10 1 0	10 3 33
1416. A.	JAN. .	8 13 44	8 22 6
	FEB. .	7 2 28	7 15 11
	MAR. .	8 15 12	9 4 59
3 8 10	APRIL	7 3 56	7 15 48
	MAY .	6 16 40	7 0 14
	JUNE .	5 5 24	5 7 22
	JULY .	4 18 8	4 14 16
	AUG. .	3 6 52	2 22 1
	SEPT. .	1 19 36	1 7 33
			30 19 31
	OCT. .	1 8 20	
		30 21 4	30 10 11
	NOV. .	29 9 48	29 3 16
	DEC. .	28 22 32	28 21 49

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1415. G.	JAN. .	27 11 16	27 16 27
	FEB. .	26 0 0	26 9 46
	MAR. .	27 12 45	28 0 45
April. *d. h. m.* 3 8 59	APRIL	26 1 29	26 13 0
	MAY .	25 14 13	25 22 50
	JUNE .	24 2 57	24 7 5
	JULY .	23 15 41	23 14 50
	AUG. .	22 4 25	21 23 8
	SEPT. .	20 17 9	20 8 31
	OCT. .	20 5 53	19 19 43
	NOV. .	18 18 37	18 8 54
	DEC. .	18 7 21	17 23 59
1414. F.	JAN. .	16 20 5	16 16 33
	FEB. .	15 8 49	15 9 49
	MAR. .	16 21 34	17 2 47
3 14 48	APRIL	15 10 18	15 18 28
	MAY .	14 23 2	15 8 15
	JUNE .	13 11 46	13 19 58
	JULY .	13 0 30	13 6 6
	AUG. .	11 13 14	11 15 23
	SEPT. .	10 1 58	10 0 40
	OCT. .	9 14 42	9 10 34
	NOV. .	8 3 26	7 21 24
	DEC. .	7 16 10	7 9 18
1413. E.D.	JAN. .	6 4 54	5 22 17
	FEB. .	4 17 38	4 12 22
	MAR. .	5 6 22	5 3 27
2 20 37	APRIL	3 19 6	3 19 4
	MAY .	3 7 50	3 10 44
	JUNE .	1 20 34	2 1 42
	JULY .	1 9 18	1 15 29
		30 22 2	31 3 57
	AUG. .	29 10 46	29 15 23
	SEPT. .	27 23 30	28 2 19
	OCT. .	27 12 14	27 13 5
	NOV. .	26 0 58	25 23 55
	DEC. .	25 13 42	25 10 50

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1412. C. April. d. h. m. 8 2 25	JAN.	24 2 26	23 21 58	B.C. 1409. G.F. April. d. h. m. 2 19 52	JAN.	21 17 36	22 5 48
	FEB.	22 15 10	22 9 33		FEB.	20 6 20	20 16 5
	MAR.	24 3 55	23 22 4		MAR.	20 19 5	21 0 26
	APRIL	22 16 39	22 11 44		APRIL	19 7 49	19 7 37
	MAY	22 5 23	22 2 32		MAY	18 20 33	18 14 38
	JUNE	20 18 7	20 18 0		JUNE	17 9 17	16 22 38
	JULY	20 6 51	20 9 30		JULY	16 22 1	16 8 42
	AUG.	18 19 35	19 0 25		AUG.	15 10 45	14 21 34
	SEPT.	17 8 19	17 14 25		SEPT.	13 23 29	13 13 27
	OCT.	16 21 3	17 8 25		OCT.	13 12 13	13 7 47
	NOV.	15 9 47	15 15 27		NOV.	12 0 57	12 3 15
	DEC.	14 22 31	15 2 36		DEC.	11 13 41	11 22 10
1411. B. 8 8 14	JAN.	13 11 15	13 12 54	1408. E. 8 1 41	JAN.	10 2 25	10 15 4
	FEB.	11 23 59	11 22 34		FEB.	8 15 9	9 5 5
	MAR.	13 12 44	13 8 5		MAR.	10 3 53	10 16 6
	APRIL	12 1 28	11 18 11		APRIL	8 16 37	9 0 41
	MAY	11 14 12	11 5 33		MAY	8 5 21	8 7 43
	JUNE	10 2 56	9 18 55		JUNE	6 18 5	6 14 21
	JULY	9 15 40	9 10 4		JULY	6 6 49	5 21 39
	AUG.	8 4 24	8 2 34		AUG.	4 19 33	4 6 43
	SEPT.	6 17 8	6 19 33		SEPT.	3 8 17	2 18 21
	OCT.	6 5 52	6 12 5		OCT.	2 21 1	2 9 2
	NOV.	4 18 36	5 3 23		NOV.	1 9 45 / 30 22 29	1 2 30
	DEC.	4 7 20	4 17 0		DEC.	30 11 13	30 17 4
1410. A. 8 14 3	JAN.	2 20 4	3 4 47	1407. D. 8 7 30	JAN.	28 23 57	29 10 57
	FEB.	1 8 48	1 14 51		FEB.	27 12 41	28 2 12
	MAR.	2 21 32	2 23 31		MAR.	29 1 26	29 14 24
	APRIL	1 10 16 / 30 23 0	1 7 35 / 30 15 47		APRIL	27 14 10	27 23 55
	MAY	30 11 44	30 1 12		MAY	27 2 54	27 7 36
	JUNE	29 0 28	28 12 47		JUNE	25 15 38	25 14 33
	JULY	28 13 12	28 2 58		JULY	25 4 22	24 21 53
	AUG.	27 1 56	26 19 33		AUG.	23 17 6	23 6 34
	SEPT.	25 14 40	25 13 45		SEPT.	22 5 50	21 17 22
	OCT.	25 3 24	25 8 14		OCT.	21 18 34	21 6 43
	NOV.	23 16 8	24 1 41		NOV.	20 7 13	19 22 37
	DEC.	23 4 52	23 17 2		DEC.	19 20 2	19 16 26

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1406. C.	JAN. .	18 8 46	18 11 1	B.C. 1403. F.	JAN. .	14 23 56	14 20 38
	FEB. .	16 21 30	17 4 59		FEB. .	13 12 40	13 7 41
April. *d. h. m.*	MAR. .	18 10 15	18 21 7	April. *d. h. m.*	MAR. .	15 1 25	14 19 23
3 13 18	APRIL	16 22 59	17 10 41	3 6 45	APRIL	13 14 9	13 8 10
	MAY .	16 11 43	16 21 43		MAY .	13 2 53	12 22 17
	JUNE .	15 0 27	15 6 45		JUNE .	11 15 37	11 13 27
	JULY .	14 13 11	14 14 48		JULY .	11 4 21	11 5 8
	AUG. .	13 1 55	12 22 52		AUG. .	9 17 5	9 20 40
	SEPT. .	11 14 39	11 7 48		SEPT. .	8 5 49	8 11 27
	OCT. .	11 3 23	10 18 13		OCT. .	7 18 33	8 1 15
	NOV. .	9 16 7	9 6 23		NOV. .	6 7 17	6 13 57
	DEC. .	9 4 51	8 20 27		DEC. .	5 20 1	6 1 36
1405. B.A.	JAN. .	7 17 35	7 12 7	1402. E.	JAN. .	4 8 45	4 12 14
	FEB. .	6 6 19	6 4 53		FEB. .	2 21 29	2 21 59
	MAR. .	6 19 3	6 21 52		MAR. .	4 10 13	4 7 15
2 19 7	APRIL	5 7 47	5 14 10	3 12 34	APRIL	2 22 57	2 16 43
	MAY .	4 20 31	5 4 56		MAY .	2 11 41	2 3 10 / 31 15 21
	JUNE .	3 9 15	3 17 46		JUNE .	1 0 25 / 30 13 9	30 5 35
	JULY .	2 21 59	3 4 48		JULY .	30 1 53	29 21 37
	AUG. .	1 10 43 / 30 23 27	1 14 39 / 31 0 5		AUG. .	28 14 37	28 14 42
	SEPT. .	29 12 11	29 9 50		SEPT. .	27 3 21	27 7 49
	OCT. .	29 0 55	28 20 17		OCT. .	26 16 5	27 0 4
	NOV. .	27 13 39	27 7 38		NOV. .	25 4 49	25 14 44
	DEC. .	27 2 23	26 19 55		DEC. .	24 17 33	25 3 28
1404. G.	JAN. .	25 15 7	25 9 11	1401. D.C.	JAN. .	23 6 18	23 14 17
	FEB. .	24 3 51	23 23 29		FEB. .	21 19 2	21 23 25
	MAR. .	25 16 36	25 14 38		MAR. .	22 7 46	22 7 29
3 0 56	APRIL	24 5 20	24 6 14	2 18 23	APRIL	20 20 30	20 15 17
	MAY .	23 18 4	23 21 36		MAY .	20 9 14	19 23 51
	JUNE .	22 6 48	22 12 7		JUNE .	18 21 58	18 10 10
	JULY .	21 19 32	22 1 23		JULY .	18 10 42	17 23 2
	AUG. .	20 8 16	20 13 40		AUG. .	16 23 26	16 14 35
	SEPT. .	18 21 0	19 1 5		SEPT. .	15 12 10	15 8 17
	OCT. .	18 9 44	18 12 6		OCT. .	15 0 54	15 2 59
	NOV. .	16 22 28	16 22 59		NOV. .	13 13 38	13 21 17
	DEC. .	16 11 12	16 9 48		DEC. .	13 2 22	13 13 52

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1400. B. April. *d. h. m.* 8 0 11	JAN.	11 15 6	12 8 56
	FEB.	10 8 50	10 15 18
	MAR.	11 16 35	12 0 24
	APRIL	10 5 19	10 7 54
	MAY	9 18 8	9 14 47
	JUNE	8 6 47	7 22 8
	JULY	7 19 31	7 7 1
	AUG.	6 8 15	5 18 28
	SEPT.	4 20 59	4 8 56
	OCT.	4 9 43	4 2 16
	NOV.	2 22 27	2 21 27
	DEC.	2 11 11 31 23 55	2 16 54
1399. A. 8 6 0	JAN.	30 12 39	1 10 58 31 2 26
	FEB.	...	...
	MAR.	1 1 23 30 14 7	1 14 49 31 0 27
	APRIL	29 2 51	29 8 3
	MAY	28 15 35	28 14 45
	JUNE	27 4 19	26 21 38
	JULY	26 17 8	26 5 45
	AUG.	25 5 47	24 16 6
	SEPT.	23 18 31	23 5 19
	OCT.	23 7 15	22 21 31
	NOV.	21 19 59	21 15 59
	DEC.	21 8 43	21 11 25
1398. G. 8 11 49	JAN.	19 21 28	20 6 8
	FEB.	18 10 12	18 22 42
	MAR.	19 22 56	20 12 21
	APRIL	18 11 40	18 23 5
	MAY	18 0 24	18 7 35
	JUNE	16 13 8	16 14 50
	JULY	16 1 52	15 21 59
	AUG.	14 14 36	14 6 2
	SEPT.	13 3 20	12 15 49
	OCT.	12 16 4	12 3 56
	NOV.	11 4 48	10 18 34
	DEC.	10 17 32	10 11 25

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1397. F.B. April. *d. h. m.* 2 17 38	JAN.	9 6 16	9 5 36
	FEB.	7 19 0	7 23 50
	MAR.	8 7 45	8 16 52
	APRIL	6 20 29	7 7 42
	MAY	6 9 13	6 19 59
	JUNE	4 21 57	5 6 0
	JULY	4 10 41	4 14 36
	AUG.	2 23 25	2 22 44
	SEPT.	1 12 9	1 7 20 30 17 6
	OCT.	1 0 58 30 13 37	30 4 27
	NOV.	29 2 21	28 17 30
	DEC.	28 15 5	28 8 13
1396. D. 2 23 27	JAN.	27 3 49	27 0 15
	FEB.	25 16 33	25 16 59
	MAR.	27 5 17	27 9 34
	APRIL	25 18 1	26 1 6
	MAY	25 6 45	25 14 57
	JUNE	23 19 29	24 3 1
	JULY	23 8 13	23 13 36
	AUG.	21 20 57	21 23 24
	SEPT.	20 9 41	20 9 8
	OCT.	19 22 25	19 19 22
	NOV.	18 11 9	18 6 18
	DEC.	17 23 53	17 18 1
1395. C. 8 5 16	JAN.	16 12 38	16 6 34
	FEB.	15 1 22	14 20 3
	MAR.	16 14 6	16 10 30
	APRIL	15 2 50	15 1 43
	MAY	14 15 34	14 17 12
	JUNE	13 4 18	13 8 17
	JULY	12 17 2	12 22 26
	AUG.	11 5 46	11 11 29
	SEPT.	9 18 30	9 23 31
	OCT.	9 7 14	9 10 56
	NOV.	7 19 58	7 22 1
	DEC.	7 8 42	7 8 53

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1394. B.	JAN. .	5 21 26	5 19 34
	FEB. .	4 10 10	4 6 12
April. *d. h. m.*	MAR. .	5 22 54	5 17 13
3 11 4	APRIL	4 11 38	4 5 8
	MAY .	4 0 22	3 18 23
	JUNE .	2 13 6	2 8 59
	JULY .	2 1 50 31 14 34	2 0 33 31 16 27
	AUG. .	30 3 18	30 7 57
	SEPT. .	28 16 2	28 22 34
	OCT. .	28 4 46	28 12 8
	NOV. .	26 17 30	27 0 20
	DEC. .	26 6 14	26 11 26
1393. A.G.	JAN. .	24 18 59	24 21 28
	FEB. .	23 7 43	23 6 42
	MAR. .	23 20 27	23 15 42
2 16 58	APRIL	22 9 11	22 1 19
	MAY .	21 21 55	21 12 25
	JUNE .	20 10 39	20 1 33
	JULY .	19 23 23	19 16 48
	AUG. .	18 12 7	18 9 39
	SEPT. .	17 0 51	17 3 9
	OCT. .	16 13 35	16 20 11
	NOV. .	15 2 19	15 11 54
	DEC. .	14 15 3	15 1 41
1392. F.	JAN. .	13 3 47	13 13 23
	FEB. .	11 16 31	11 23 9
	MAR. .	13 5 16	13 7 30
2 22 42	APRIL	11 13 0	11 15 8
	MAY .	11 6 44	10 23 2
	JUNE .	9 19 28	9 8 16
	JULY .	9 8 12	8 19 47
	AUG. .	7 20 56	7 10 2
	SEPT. .	6 9 40	6 2 55
	OCT. .	5 22 24	5 21 28
	NOV. .	4 11 8	4 16 19
	DEC. .	3 23 52	4 9 59

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1391. E.	JAN. .	2 12 36	3 1 24
	FEB. .	1 1 20	1 14 3
April. *d. h. m.*	MAR. .	2 14 4	3 0 6
3 4 31	APRIL	1 2 48 30 15 32	1 8 7 30 15 6
	MAY .	30 4 16	29 22 0
	JUNE .	28 17 0	28 5 59
	JULY .	28 5 44	27 16 5
	AUG. .	26 18 28	26 5 5
	SEPT. .	25 7 12	24 21 9
	OCT. .	24 19 56	24 15 39
	NOV. .	23 8 40	23 11 13
	DEC. .	22 21 24	23 6 11
1390. D.	JAN. .	21 10 8	21 23 1
	FEB. .	19 22 52	20 12 53
	MAR. .	21 11 37	21 23 44
3 10 20	APRIL	20 0 21	20 8 11
	MAY .	19 13 5	19 15 11
	JUNE .	18 1 49	17 21 52
	JULY .	17 14 33	17 5 18
	AUG. .	16 3 17	15 14 32
	SEPT. .	14 16 1	14 2 22
	OCT. .	14 4 45	13 17 9
	NOV. .	12 17 29	12 10 35
	DEC. .	12 6 13	12 5 39
1389. C.B.	JAN. .	10 18 58	11 0 43
	FEB. .	9 7 42	9 18 29
	MAR. .	9 20 26	10 9 34
2 16 9	APRIL	8 9 10	8 21 41
	MAY .	7 21 54	8 7 11
	JUNE .	6 10 38	6 15 0
	JULY .	5 23 22	5 22 10
	AUG. .	4 12 6	4 5 49
	SEPT. .	3 0 50	2 14 47
	OCT. .	2 13 34	2 1 48 31 15 11
	NOV. .	1 2 18 30 15 2	30 6 55
	DEC. .	30 3 46	30 0 22

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1388. A. April. *d. h. m.* 2 21 57	JAN. .	28 16 30	28 18 31	B.C. 1385. E.D. April. *d. h. m.* 2 15 24	JAN. .	26 7 40	26 5 4
	FEB. .	27 5 14	27 12 7		FEB. .	24 20 24	24 15 34
	MAR. .	28 17 58	29 4 2		MAR. .	25 9 8	25 2 40
	APRIL	27 6 42	27 17 35		APRIL	23 21 52	23 14 59
	MAY .	26 19 26	27 4 45		MAY .	23 10 36	23 4 47
	JUNE .	25 8 10	25 14 6		JUNE .	21 23 20	21 19 57
	JULY .	24 20 54	24 22 32		JULY .	21 12 4	21 11 55
	AUG. .	23 9 38	23 7 0		AUG. .	20 0 48	20 3 58
	SEPT. .	21 22 22	21 16 18		SEPT. .	18 13 32	18 19 22
	OCT. .	21 11 6	21 2 56		OCT. .	18 2 16	18 9 42
	NOV. .	19 23 50	19 15 7		NOV. .	16 15 0	16 22 46
	DEC. .	19 12 34	19 4 52		DEC. .	16 3 44	16 10 28
1387. G. 3 3 46	JAN. .	18 1 19	17 20 4	1384. C. 2 21 13	JAN. .	14 16 28	14 20 54
	FEB. .	16 14 3	16 12 15		FEB. .	13 5 12	13 6 15
	MAR. .	18 2 47	18 4 47		MAR. .	14 17 57	14 15 3
	APRIL	16 15 31	16 20 48		APRIL	13 6 41	13 0 2
	MAY .	16 4 15	16 11 33		MAY .	12 19 25	12 10 7
	JUNE .	14 16 59	15 0 39		JUNE .	11 8 9	10 22 5
	JULY .	14 5 43	14 12 6		JULY .	10 20 58	10 12 19
	AUG. .	12 18 27	12 22 29		AUG. .	9 9 37	9 4 35
	SEPT. .	11 7 11	11 8 25		SEPT. .	7 22 21	7 22 6
	OCT. .	10 19 55	10 18 34		OCT. .	7 11 5	7 15 46
	NOV. .	9 8 39	9 5 13		NOV. .	5 23 49	6 8 27
	DEC. .	8 21 23	8 16 30		DEC. .	5 12 33	5 23 21
1386. F. 3 9 35	JAN. .	7 10 7	7 4 25	1383. B. 3 3 2	JAN. .	4 1 18	4 12 6
	FEB. .	5 22 51	5 17 7		FEB. .	2 14 2	2 22 41
	MAR. .	7 11 36	7 6 49		MAR. .	4 2 46	4 7 29
	APRIL	6 0 20	5 21 26		APRIL	2 15 30	2 15 11
	MAY .	5 13 4	5 12 42		MAY .	2 4 14	1 22 40
	JUNE .	4 1 48	4 4 4			31 16 58	31 7 0
	JULY .	3 14 32	3 18 54		JUNE .	30 5 42	29 17 14
	AUG. .	2 3 16	2 8 45		JULY .	29 18 26	29 6 8
		31 16 0	31 21 34		AUG. .	28 7 10	27 21 52
	SEPT. .	30 4 44	30 9 32		SEPT. .	26 19 54	26 15 52
	OCT. .	29 17 28	29 20 57		OCT. .	26 8 38	26 10 54
	NOV. .	28 6 12	28 7 58		NOV. .	24 21 22	25 5 28
	DEC. .	27 18 56	27 18 38		DEC. .	24 10 3	24 22 10

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1382. A. April. *d. h. m.* 8 8 50	JAN. .	22 22 50	23 12 11	B.C. 1379. D. April. *d. h. m.* 8 2 17	JAN. .	19 14 0	19 13 15
	FEB. .	21 11 34	21 23 22		FEB. .	18 2 44	18 7 5
	MAR. .	23 0 18	23 8 11		MAR. .	19 15 28	19 23 48
	APRIL	21 13 2	21 15 28		APRIL	18 4 12	18 14 32
	MAY .	21 1 46	20 22 11		MAY .	17 16 56	18 2 54
	JUNE .	19 14 30	19 5 29		JUNE .	16 5 40	16 13 12
	JULY .	19 3 14	18 14 26		JULY .	15 18 24	15 22 10
	AUG. .	17 15 58	17 2 0		AUG. .	14 7 8	14 6 43
	SEPT. .	16 4 42	15 16 37		SEPT. .	12 19 52	12 15 45
	OCT. .	15 17 26	15 10 6		OCT. .	12 8 36	12 1 49
	NOV. .	14 6 10	14 5 24		NOV. .	10 21 20	10 13 14
	DEC. .	13 18 54	14 0 52		DEC. .	10 10 4	10 2 7
1381. G.F.	JAN. .	12 7 39	12 18 54	1378. C.	JAN. .	8 22 48	8 16 23
	FEB. .	10 20 23	11 10 14		FEB. .	7 11 32	7 7 50
	MAR. .	11 9 7	11 22 29		MAR. .	9 0 17	9 0 2
2 14 39	APRIL	9 21 51	10 7 57	8 8 6	APRIL	7 13 1	7 16 13
	MAY .	9 10 35	9 15 30		MAY .	7 1 45	7 7 39
	JUNE .	7 23 19	7 22 14		JUNE .	5 14 29	5 21 41
	JULY .	7 12 3	7 5 14		JULY .	5 3 13	5 10 7
	AUG. .	6 0 47	5 13 33		AUG. .	3 15 57	3 21 13
	SEPT. .	4 13 31	4 0 6		SEPT. .	2 4 41	2 7 31
	OCT. .	4 2 15	3 13 28		OCT. .	1 17 25	1 17 48
	NOV. .	2 14 59	2 5 39			31 6 9	31 4 18
	DEC. .	2 3 43	2 0 1		NOV. .	29 18 53	29 15 15
		31 16 27	31 19 12		DEC. .	29 7 37	29 2 41
1380. E.	JAN. .	30 5 11	30 13 39	1377. B.A.	JAN. .	27 20 21	27 14 44
	FEB. .	23 17 55	...		FEB. .	26 9 5	26 3 36
	MAR. .	30 6 39	1 6 2		MAR. .	26 21 49	26 17 28
			30 19 34				
2 20 28	APRIL	28 19 23	29 6 18	2 13 55	APRIL	25 10 33	25 8 16
	MAY .	28 8 7	28 14 53		MAY .	24 23 17	24 23 36
	JUNE .	26 20 51	26 22 21		JUNE .	23 12 1	23 14 52
	JULY .	26 9 35	26 5 47		JULY .	23 0 45	23 5 29
	AUG. .	24 22 19	24 14 9		AUG. .	21 13 29	21 19 6
	SEPT. .	23 11 3	23 0 12		SEPT. .	20 2 13	20 7 46
	OCT. .	22 23 47	22 12 26		OCT. .	19 14 57	19 19 39
	NOV. .	21 12 31	21 2 58		NOV. .	18 3 41	18 6 58
	DEC. .	21 1 15	20 19 29		DEC. .	17 16 25	17 17 47

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.
B.C. 1376. G.	JAN.	16 5 9	16 4 9
	FEB.	14 17 53	14 14 18
April. d. h. m. 2 19 43	MAR.	16 6 38	16 0 46
	APRIL	14 19 22	14 12 9
	MAY	14 8 6	14 1 1
	JUNE	12 20 50	12 15 29
	JULY	12 9 34	12 7 13
	AUG.	10 22 18	10 23 33
	SEPT.	9 11 2	9 15 37
	OCT.	8 23 46	9 6 50
	NOV.	7 12 30	7 20 44
	DEC.	7 1 14	7 9 13
1375. F.	JAN.	5 13 59	5 20 14
	FEB.	4 2 43	4 5 54
	MAR.	5 15 27	5 14 41
3 1 32	APRIL	4 4 11	3 23 14
	MAY	3 16 55	3 8 27
	JUNE	2 5 39	1 19 16
	JULY	1 18 23 31 7 7	1 8 18 30 23 42
	AUG.	29 19 51	29 16 54
	SEPT.	28 8 35	28 10 52
	OCT.	27 21 19	28 4 23
	NOV.	26 10 3	26 20 26
	DEC.	25 22 47	26 10 18
1374. E.	JAN.	24 11 31	24 21 51
	FEB.	23 0 15	23 7 20
	MAR.	24 12 59	24 15 18
3 7 21	APRIL	23 1 43	22 22 37
	MAY	22 14 27	22 6 17
	JUNE	21 3 11	20 15 23
	JULY	20 15 55	20 2 53
	AUG.	19 4 39	18 17 17
	SEPT.	17 17 23	17 10 23
	OCT.	17 6 7	17 5 15
	NOV.	15 18 51	16 0 22
	DEC.	15 7 35	15 18 14

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.
B.C. 1373. D.C.	JAN.	13 20 20	14 9 39
	FEB.	12 9 4	12 22 9
April. d. h. m. 2 13 10	MAR.	12 21 48	13 7 57
	APRIL	11 10 32	11 15 46
	MAY	10 23 16	10 22 34
	JUNE	9 12 0	9 5 25
	JULY	9 0 44	8 13 26
	AUG.	7 13 28	6 23 39
	SEPT.	6 2 12	5 12 48
	OCT.	5 14 56	5 5 0
	NOV.	4 3 40	3 23 35
	DEC.	3 16 24	3 19 12
1372. B.	JAN.	2 5 8 31 17 52	2 14 5
	FEB.	...	1 6 49
	MAR.	2 6 37 31 19 21	2 20 33
2 18 59	APRIL	30 8 5	1 7 15 30 15 36
	MAY	29 20 49	29 22 37
	JUNE	28 9 33	28 5 25
	JULY	27 22 17	27 13 3
	AUG.	26 11 1	25 22 31
	SEPT.	24 23 45	24 10 32
	OCT.	24 12 29	24 1 21
	NOV.	23 1 13	22 18 43
	DEC.	22 13 57	22 13 32
1371. A.	JAN.	21 2 41	21 8 25
	FEB.	19 15 25	20 1 50
	MAR.	21 4 9	21 16 45
3 0 48	APRIL	19 16 53	20 4 49
	MAY	19 5 37	19 14 24
	JUNE	17 18 21	17 22 24
	JULY	17 7 5	17 5 51
	AUG.	15 19 49	15 13 50
	SEPT.	14 8 33	13 23 7
	OCT.	13 21 17	13 10 19
	NOV.	12 10 1	11 23 42
	DEC.	11 22 45	11 15 10

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1370. G.	JAN. .	10 11 29	10 8 13	B.C. 1367. C.	JAN. .	7 2 40	7 3 23
	FEB. .	9 0 13	9 1 53		FEB. .	5 15 24	5 13 23
April. *d. h. m.*	MAR. .	10 12 58	10 19 7	April. *d. h. m.*	MAR. .	7 4 8	6 23 21
3 6 36	APRIL	9 1 42	9 10 50	3 0 3	APRIL	5 16 52	5 9 54
	MAY .	8 14 26	9 0 26		MAY .	5 5 36	4 21 46
	JUNE .	7 3 10	7 11 47		JUNE .	3 18 20	3 11 20
	JULY .	6 15 54	6 21 30		JULY .	3 7 4	3 2 33
	AUG. .	5 4 38	5 6 22		AUG. .	1 19 48	1 18 50
	SEPT. .	3 17 22	3 15 17			31 8 32	31 11 23
	OCT. .	3 6 6	3 0 59		SEPT. .	29 21 16	30 3 23
	NOV. .	1 18 50	1 11 46		OCT. .	29 10 0	29 18 13
			30 23 52		NOV. .	27 22 44	28 7 34
	DEC. .	1 7 34			DEC. .	27 11 28	27 19 15
		30 20 18	30 13 16				
1369. F.E.	JAN. .	29 9 2	29 3 53	1366. B.	JAN. .	26 0 12	26 5 26
	FEB. .	27 21 46	27 19 29		FEB. .	24 12 56	24 14 25
	MAR. .	28 10 31	28 11 33		MAR. .	26 1 40	25 22 45
2 12 25	APRIL	26 23 15	27 3 20	3 5 52	APRIL	24 14 24	24 7 18
	MAY .	26 11 59	26 18 8		MAY .	24 3 8	23 17 4
	JUNE .	25 0 43	25 7 32		JUNE .	22 15 52	22 4 58
	JULY .	24 13 27	24 19 30		JULY .	22 4 36	21 19 10
	AUG. .	23 2 11	23 6 26		AUG. .	20 17 20	20 11 41
	SEPT. .	21 14 55	21 16 55		SEPT. .	19 6 4	19 5 37
	OCT. .	21 3 39	21 3 25		OCT. .	18 18 48	18 23 44
	NOV. .	19 16 23	19 14 13		NOV. .	17 7 32	17 16 49
	DEC. .	19 5 7	19 1 18		DEC. .	16 20 16	17 7 54
1368. D.	JAN. .	17 17 51	17 12 49	1365. A.G.	JAN. .	15 9 0	15 20 34
	FEB. .	16 6 35	16 0 57		FEB. .	13 21 44	14 6 55
	MAR. .	17 19 19	17 14 0		MAR. .	14 10 29	14 15 25
2 18 14	APRIL	16 8 3	16 4 7	2 11 41	APRIL	12 23 13	12 22 47
	MAY .	15 20 47	15 19 8		MAY .	12 11 57	12 6 1
	JUNE .	14 9 31	14 10 33		JUNE .	11 0 41	10 14 12
	JULY .	13 22 15	14 1 43		JULY .	10 13 25	10 0 23
	AUG. .	12 10 59	12 16 8		AUG. .	9 2 9	8 13 21
	SEPT. .	10 23 43	11 5 33		SEPT. .	7 14 58	7 5 17
	OCT. .	10 12 27	10 18 4		OCT. .	7 3 37	6 23 33
	NOV. .	9 1 11	9 5 49		NOV. .	5 16 21	5 18 52
	DEC. .	8 13 55	8 16 54		DEC. .	5 5 5	5 13 37

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1364. F.	JAN. .	3 17 49	4 6 22	B.C. 1361. C.B.	JAN. .	1 8 59	1 3 34
	FEB. .	2 6 33	2 20 16			30 21 43	30 20 47
April. d. h. m. 2 17 29	MAR. .	3 19 18	4 7 17	April. d. h. m. 2 10 56	FEB. .	29 10 28	29 14 11
	APRIL	2 8 2	2 15 53		MAR. .	29 23 12	30 6 37
	MAY .	1 20 46	1 22 59		APRIL	28 11 56	28 21 16
		31 9 30	31 5 37		MAY .	28 0 40	28 9 48
	JUNE .	29 22 14	29 12 56		JUNE .	26 13 24	26 20 25
	JULY .	29 10 58	28 22 0		JULY .	26 2 8	26 5 50
	AUG. .	27 23 42	27 9 42		AUG. .	24 14 52	24 14 52
	SEPT. .	26 12 26	26 0 29		SEPT. .	23 3 36	23 0 18
	OCT. .	26 1 10	25 18 3		OCT. .	22 16 20	22 10 33
	NOV. .	24 13 54	24 13 22		NOV. .	21 5 4	20 22 5
	DEC. .	24 2 38	24 8 47		DEC. .	20 17 48	20 10 41
1363. E.	JAN. .	22 15 22	23 2 41	1360. A.	JAN. .	19 6 32	19 0 28
	FEB. .	21 4 6	21 17 52		FEB. .	17 19 16	17 15 19
	MAR. .	22 16 50	23 5 58		MAR. .	19 8 0	19 6 57
2 23 18	APRIL	21 5 34	21 15 21	2 16 45	APRIL	17 20 44	17 22 47
	MAY .	20 18 18	20 22 54		MAY .	17 9 28	17 14 9
	JUNE .	19 7 2	19 5 43		JUNE .	15 22 12	16 4 24
	JULY .	18 19 46	18 12 55		JULY .	15 10 56	15 17 16
	AUG. .	17 8 30	16 21 29		AUG. .	13 23 40	14 4 55
	SEPT. .	15 21 14	15 8 15		SEPT. .	12 12 24	12 15 50
	OCT. .	15 9 58	14 21 43		OCT. .	12 1 8	12 2 30
	NOV. .	13 22 42	13 13 52		NOV. .	10 13 52	10 13 15
	DEC. .	13 11 26	13 8 1		DEC. .	10 2 36	10 0 9
1362. D.	JAN. .	12 0 10	12 2 54	1359. G.	JAN. .	8 15 21	8 11 17
	FEB. .	10 12 54	10 21 2		FEB. .	7 4 5	6 22 48
	MAR. .	12 1 39	12 13 13		MAR. .	8 16 49	8 11 3
3 5 7	APRIL	10 14 23	11 2 40	2 22 34	APRIL	7 5 33	7 0 22
	MAY .	10 3 7	10 13 26		MAY .	6 18 17	6 14 48
	JUNE .	8 15 51	8 22 12		JUNE .	5 7 1	5 6 4
	JULY .	8 4 35	8 5 56		JULY .	4 19 45	4 21 33
	AUG. .	6 17 19	6 13 42		AUG. .	3 8 29	3 12 38
	SEPT. .	5 6 3	4 22 26		SEPT. .	1 21 13	2 2 52
	OCT. .	4 18 47	4 8 45		OCT. .	1 9 57	1 16 7
	NOV. .	3 7 31	2 21 3			30 22 41	31 4 26
	DEC. .	2 20 15	2 11 25		NOV. .	29 11 25	29 15 55
					DEC. .	29 0 9	29 2 37

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1358. F. April. *d. h. m.* 3 4 28	JAN.	27 12 53	27 12 39	B.C. 1355. B. April. *d. h. m.* 2 21 49	JAN.	24 4 4	24 17 45
	FEB.	26 1 37	25 22 18		FEB.	22 16 48	23 6 5
	MAR.	27 14 22	27 8 13		MAR.	24 5 32	24 15 41
	APRIL	26 3 6	25 19 8		APRIL	22 18 16	22 23 19
	MAY	25 15 50	25 7 40		MAY	22 7 0	22 6 0
	JUNE	24 4 34	23 22 3		JUNE	20 19 44	20 12 52
	JULY	23 17 18	23 14 0		JULY	20 8 28	19 20 58
	AUG.	22 6 2	22 6 45		AUG.	18 21 12	18 7 21
	SEPT.	20 18 46	20 23 24		SEPT.	17 9 56	16 20 40
	OCT.	20 7 30	20 15 9		OCT.	16 22 40	16 12 58
	NOV.	18 20 14	19 5 26		NOV.	15 11 24	15 7 36
	DEC.	18 8 58	18 18 0		DEC.	15 0 8	15 8 8
1357. E.D. 2 10 11	JAN.	16 21 42	17 4 51	1354. A. 3 3 38	JAN.	13 12 52	13 21 54
	FEB.	15 10 26	15 14 11		FEB.	12 1 36	12 14 27
	MAR.	15 23 10	15 22 33		MAR.	13 14 20	14 4 2
	APRIL	14 11 54	14 6 40		APRIL	12 3 4	12 14 38
	MAY	14 0 38	13 15 32		MAY	11 15 48	11 22 58
	JUNE	12 13 22	12 2 8		JUNE	10 4 32	10 6 4
	JULY	12 2 6	11 15 9		JULY	9 17 16	9 13 2
	AUG.	10 14 50	10 6 43		AUG.	8 6 0	7 20 56
	SEPT.	9 3 34	9 0 15		SEPT.	6 18 41	6 6 39
	OCT.	8 16 18	8 13 39		OCT.	6 7 28	5 18 48
	NOV.	7 5 2	7 12 35		NOV.	4 20 12	4 9 39
	DEC.	6 17 46	7 4 53		DEC.	4 8 56	4 2 49
1356. C. 2 16 0	JAN.	5 6 30	5 18 47	1353. G.F. 2 9 27	JAN.	2 21 40	2 21 21
	FEB.	3 19 14	4 6 11		FEB.	1 10 24	1 15 52
	MAR.	5 7 59	5 15 22		MAR.	1 23 9 31 11 53	2 9 1 31 23 48
	APRIL	3 20 43	3 23 2		APRIL	30 0 37	30 11 53
	MAY	3 9 27	3 6 5		MAY	29 13 21	29 21 36
	JUNE	1 22 11	1 13 33 30 22 36		JUNE	28 2 5	28 5 51
	JULY	1 10 55 30 23 39	30 10 9		JULY	27 14 49	27 13 41
	AUG.	29 12 23	29 0 42		AUG.	26 3 33	25 22 2
	SEPT.	28 1 7	27 18 2		SEPT.	24 16 17	24 7 39
	OCT.	27 13 51	27 13 7		OCT.	24 5 1	23 18 59
	NOV.	26 2 35	26 8 28		NOV.	22 17 45	22 8 18
	DEC.	25 15 19	26 2 23		DEC.	22 6 29	21 23 25

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1352. E.	JAN. .	20 19 18	20 15 58	B.C. 1349. B.A.	JAN. .	18 10 23	18 12 1
	FEB. .	19 7 57	19 9 8		FEB. .	16 23 7	16 21 34
April. d. h. m.	MAR. .	20 20 41	21 1 57	April. d. h. m.	MAR. .	17 11 51	17 7 0
2 15 15	APRIL	19 9 25	19 17 30	2 8 42	APRIL	16 0 35	15 17 4
	MAY .	18 22 9	19 7 10		MAY .	15 18 19	15 4 33
	JUNE .	17 10 53	17 18 51		JUNE .	14 2 8	13 17 56
	JULY .	16 23 37	17 4 58		JULY .	13 14 47	13 9 13
	AUG. .	15 12 21	15 14 19		AUG. .	12 8 31	12 1 50
	SEPT. .	14 1 5	13 23 43		SEPT. .	10 16 15	10 18 55
	OCT. .	13 13 49	13 9 44		OCT. .	10 4 59	10 11 29
	NOV. .	12 2 33	11 20 39		NOV. .	8 17 43	9 2 45
	DEC. .	11 15 17	11 8 35		DEC. .	8 6 27	8 16 18
1351. D.	JAN. .	10 4 2	9 21 35	1348. G.	JAN. .	6 19 11	7 3 56
	FEB. .	8 16 46	8 11 37		FEB. .	5 7 56	5 13 52
	MAR. .	10 5 30	10 2 37		MAR. .	6 20 40	6 22 27
2 21 4	APRIL	8 18 14	8 18 12	2 14 31	APRIL	5 9 24	5 6 22
	MAY .	8 6 58	8 9 47		MAY .	4 22 8	4 14 31
	JUNE .	6 19 42	7 0 43		JUNE .	3 10 52	3 0 5
	JULY .	6 8 26	6 14 28		JULY .	2 23 36	2 11 47
	AUG. .	4 21 10	5 2 58		AUG. .	1 12 20	1 2 9
	SEPT. .	3 9 54	3 14 29			31 1 4	30 18 56
	OCT. .	2 22 38	3 1 29		SEPT. .	29 13 43	29 13 15
	NOV. .	1 11 22	1 12 19		OCT. .	29 2 32	29 7 47
			30 23 10		NOV. .	27 15 16	28 1 10
	DEC. .	1 0 6			DEC. .	27 4 0	27 16 23
		30 12 50	30 10 2				
1350. C.	JAN. .	29 1 34	28 21 6	1347. F.	JAN. .	25 16 45	26 4 58
	FEB. .	27 14 18	27 8 38		FEB. .	24 5 29	24 15 3
	MAR. .	29 3 3	28 21 6		MAR. .	25 18 13	25 23 14
3 2 53	APRIL	27 15 47	27 10 46	2 20 20	APRIL	24 6 57	24 6 20
	MAY .	27 4 31	27 1 36		MAY .	23 19 41	23 13 22
	JUNE .	25 17 15	25 17 6		JUNE .	22 8 25	21 21 28
	JULY .	25 5 59	25 8 39		JULY .	21 21 9	21 7 40
	AUG. .	23 18 43	23 23 37		AUG. .	20 9 58	19 20 46
	SEPT. .	22 7 27	22 13 40		SEPT. .	18 22 37	18 12 53
	OCT. .	21 20 11	22 2 43		OCT. .	18 11 21	18 7 21
	NOV. .	20 8 55	20 14 43		NOV. .	17 0 5	17 2 52
	DEC. .	19 21 39	20 1 48		DEC. .	16 12 49	16 21 43

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1346. E. April. d. h. m. 8 2 8	JAN. .	15 1 33	15 14 26	B.C. 1343. A. April. d. h. m. 2 19 35	JAN. .	11 16 43	11 11 32
	FEB. .	13 14 17	14 4 13		FEB. .	10 5 27	10 4 13
	MAR. .	15 8 1	15 15 1		MAR. .	11 18 11	11 21 6
	APRIL	13 15 45	13 23 27		APRIL	10 6 55	10 13 16
	MAY .	13 4 29	13 6 25		MAY .	9 19 39	10 3 56
	JUNE .	11 17 13	11 13 4		JUNE .	8 8 23	8 16 41
	JULY .	11 5 57	10 20 28		JULY .	7 21 7	8 3 42
	AUG. .	9 18 41	9 5 42		AUG. .	6 9 51	6 13 35
	SEPT. .	8 7 25	7 17 33		SEPT. .	4 22 35	4 23 8
	OCT. .	7 20 9	7 8 27		OCT. .	4 11 19	4 8 59
	NOV. .	6 8 53	6 2 5		NOV. .	3 0 3	2 19 31
	DEC. .	5 21 37	5 21 19		DEC. .	2 12 47	2 6 55 31 19 12
1345. D.C.	JAN. .	4 10 22	4 16 36	1342. G.	JAN. .	1 1 31 30 14 15	30 8 26
	FEB. .	2 23 6	3 10 19		FEB. .	...	28 22 41
	MAR. :	3 11 50	4 1 21		MAR. .	1 3 0 30 15 44	30 13 46
2 7 57	APRIL	2 0 34	2 13 20	3 1 24	APRIL	29 4 28	29 5 19
	MAY .	1 13 18 31 2 2	1 22 41 31 6 18		MAY .	28 17 12	28 20 33
	JUNE .	29 14 46	29 13 18		JUNE .	27 5 56	27 11 9
	JULY .	29 3 30	28 20 44		JULY .	26 18 40	27 0 31
	AUG. .	27 16 14	27 5 36		AUG. .	25 7 24	25 12 46
	SEPT. .	26 4 58	25 16 35		SEPT. .	23 20 8	24 0 15
	OCT. .	25 17 42	25 6 7		OCT. .	23 8 52	23 11 19
	NOV. .	24 6 26	23 22 8		NOV. .	21 21 36	21 22 13
	DEC. .	23 19 10	23 15 59		DEC. .	21 10 20	21 9 1
1344. B.	JAN. .	22 7 54	22 10 28	1341. F.E.	JAN. .	19 23 5	19 19 47
	FEB. .	20 20 38	21 4 17		FEB. .	18 11 49	18 6 46
	MAR. .	22 9 23	22 20 15		MAR. .	19 0 33	18 18 24
2 13 46	APRIL	20 22 7	21 9 39	2 7 13	APRIL	17 18 17	17 7 12
	MAY .	20 10 51	20 20 32		MAY .	17 2 1	16 21 19
	JUNE .	18 23 35	19 5 32		JUNE .	15 14 45	15 12 32
	JULY .	18 12 19	18 13 37		JULY .	15 3 29	15 4 18
	AUG. .	17 1 3	16 21 48		AUG. .	13 16 13	13 19 52
	SEPT. .	15 13 47	15 6 52		SEPT. .	12 4 57	12 10 44
	OCT. .	15 2 31	14 17 26		OCT. .	11 17 41	12 0 33
	NOV. .	13 15 15	13 5 44		NOV. .	10 6 25	10 13 15
	DEC. .	13 3 59	12 19 51		DEC. .	9 19 9	10 0 50

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1340. D. April. *d. h. m.* 2 18 1	JAN. .	8 7 53	8 11 23	B.C. 1337. A.G. April. *d. h. m.* 2 6 27	JAN. .	5 23 8	6 10 24
	FEB. .	6 20 37	6 21 1		FEB. .	4 11 47	5 1 39
	MAR. .	8 9 21	8 6 11		MAR. .	5 0 31	5 13 50
	APRIL	6 22 5	6 15 34		APRIL	8 13 15	8 23 16
	MAY .	6 10 49	6 2 3		MAY .	3 1 59	3 6 46
	JUNE .	4 23 33	4 14 19		JUNE .	1 14 48	1 13 26 / 30 20 23
	JULY .	4 12 17	4 4 42		JULY .	1 8 27 / 30 16 11	
	AUG. .	3 1 1	2 20 52		AUG. .	29 4 55	28 15 13
	SEPT. .	1 13 45	1 14 4		SEPT. .	27 17 39	27 4 39
	OCT. .	1 2 29 / 30 15 13	1 7 15 / 30 23 30		OCT. .	27 6 23	26 21 2
	NOV. .	29 3 57	29 14 6		NOV. .	25 19 7	25 15 36
	DEC. .	28 16 41	29 2 42		DEC. .	25 7 51	25 10 59
1339. C. 2 18 50	JAN. .	27 5 25	27 13 20	1336. F. 2 12 16	JAN. .	23 20 35	24 5 32
	FEB. .	25 18 9	25 22 20		FEB. .	22 9 19	22 21 54
	MAR. .	27 6 54	27 6 19		MAR. .	23 22 4	24 11 22
	APRIL	25 19 38	25 14 4		APRIL	22 10 48	22 21 55
	MAY .	25 8 22	24 22 39		MAY .	21 23 32	22 6 18
	JUNE .	23 21 6	23 9 6		JUNE .	20 12 16	20 13 34
	JULY .	23 9 50	22 22 8		JULY .	20 1 0	19 20 47
	AUG. .	21 22 34	21 13 53		AUG. .	18 13 44	18 4 58
	SEPT. .	20 11 18	20 7 45		SEPT. .	17 2 28	16 14 57
	OCT. .	20 0 2	20 2 33		OCT. .	16 15 12	16 3 15
	NOV. .	18 12 46	18 20 49		NOV. .	15 3 56	14 18 2
	DEC. .	18 1 30	18 13 17		DEC. .	14 16 40	14 10 57
1338. B. 3 0 39	JAN. .	16 14 14	17 3 9	1335. E. 2 13 5	JAN. .	13 5 24	13 5 4
	FEB. .	15 2 58	15 14 21		FEB. .	11 18 8	11 23 12
	MAR. .	16 15 42	16 23 15		MAR. .	13 6 52	13 16 3
	APRIL	15 4 26	15 6 38		APRIL	11 19 36	12 6 43
	MAY .	14 17 10	14 13 28		MAY .	11 8 20	11 18 51
	JUNE .	13 5 54	12 20 51		JUNE .	9 21 4	10 4 48
	JULY .	12 18 38	12 5 54		JULY .	9 9 48	9 13 23
	AUG. .	11 7 22	10 17 33		AUG. .	7 22 32	7 21 36
	SEPT. .	9 20 6	9 8 15		SEPT. .	6 11 16	6 6 21
	OCT. .	9 8 50	9 1 47		OCT. .	6 0 0	5 16 16
	NOV. .	7 21 34	7 21 3		NOV. .	4 12 44	4 3 43
	DEC. .	7 10 18	7 16 28		DEC. .	4 1 28	3 16 52

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1334. D.	JAN. .	2 14 12	2 7 36 31 23 36
April. *d. h. m.*	FEB. .	1 2 56	...
	MAR. .	2 15 41	2 16 15
2 23 54	APRIL	1 4 25 30 17 9	1 8 48
	MAY .	30 5 53	1 0 8 30 13 55
	JUNE .	28 18 37	29 1 55
	JULY .	28 7 21	28 12 32
	AUG. .	26 20 5	26 22 25
	SEPT. .	25 8 49	25 8 16
	OCT. .	24 21 33	24 18 35
	NOV. .	23 10 17	23 5 34
	DEC. .	22 23 1	22 17 17
1333. C.R.	JAN. .	21 11 46	21 5 48
	FEB. .	20 0 30	19 19 14
	MAR. .	20 13 14	20 9 38
2 5 43	APRIL	19 1 58	19 0 49
	MAY .	18 14 42	18 16 16
	JUNE .	17 8 26	17 7 20
	JULY .	16 16 10	16 21 30
	AUG. .	15 4 54	15 10 34
	SEPT. .	13 17 38	13 22 41
	OCT. .	13 6 22	13 10 10
	NOV. .	11 19 6	11 21 16
	DEC. .	11 7 50	11 8 7
1332. A.	JAN. .	9 20 34	9 18 43
	FEB. .	8 9 18	8 5 17
	MAR. .	9 22 2	9 16 14
2 11 32	APRIL	8 10 46	8 4 8
	MAY .	7 23 30	7 17 23
	JUNE .	6 12 14	6 8 2
	JULY .	6 0 58	5 23 41
	AUG. .	4 13 42	4 15 40
	SEPT. .	3 2 26	3 7 13
	OCT. .	2 15 10	2 21 58
	NOV. .	1 3 54 30 16 38	1 11 22 30 23 37
	DEC. .	30 5 22	30 10 37

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1331. G.	JAN. .	28 18 7	28 20 33
	FEB. .	27 6 51	27 5 38
April. *d. h. m.*	MAR. .	28 19 35	28 14 34
2 17 20	APRIL	27 8 19	27 0 11
	MAY .	26 21 3	26 11 21
	JUNE .	25 9 47	25 0 36
	JULY .	24 22 31	24 16 0
	AUG. .	23 11 15	23 8 59
	SEPT. .	21 23 59	22 2 35
	OCT. .	21 12 43	21 19 39
	NOV. .	20 1 27	20 11 18
	DEC. .	19 14 11	20 0 59
1330. F.	JAN. .	18 2 55	18 12 32
	FEB. .	16 15 39	16 22 8
	MAR. .	18 4 24	18 6 20
2 23 9	APRIL	16 17 8	16 13 54
	MAY .	16 5 52	15 21 48
	JUNE .	14 18 36	14 7 8
	JULY .	14 7 20	13 18 48
	AUG. .	12 20 4	12 9 16
	SEPT. .	11 8 48	11 2 20
	OCT. .	10 21 32	10 21 1
	NOV. .	9 10 16	9 15 52
	DEC. .	8 23 0	9 9 29
1329. E.D.	JAN. .	7 11 44	8 0 44
	FEB. .	6 0 28	6 13 10
	MAR. .	6 13 12	6 23 1
2 4 58	APRIL	5 1 56	5 6 54
	MAY .	4 14 40	4 13 47
	JUNE .	3 3 24	2 20 43
	JULY .	2 16 8	2 4 48 31 15 6
	AUG. .	1 4 52 30 17 36	30 4 19
	SEPT. .	29 6 20	28 20 36
	OCT. .	28 19 4	28 15 15
	NOV. .	27 7 48	27 10 50
	DEC. .	26 20 32	27 5 42

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1328. C. April. d. h. m. 2 10 47	JAN.	25 9 16	25 22 20	B.C. 1325. G.F. April. d. h. m. 2 4 18	JAN.	28 0 26	22 19 24
	FEB.	23 22 0	24 11 58		FEB.	21 18 10	21 11 30
	MAR.	25 10 45	25 22 38		MAR.	22 1 55	22 8 59
	APRIL	23 23 29	24 6 55		APRIL	20 14 39	20 19 58
	MAY	23 12 18	23 18 52		MAY	20 8 23	20 10 33
	JUNE	22 0 57	21 20 34		JUNE	18 16 7	18 23 35
	JULY	21 13 41	21 4 9		JULY	18 4 51	18 11 4
	AUG.	20 2 25	19 13 34		AUG.	16 17 35	16 21 29
	SEPT.	18 15 9	18 1 36		SEPT.	15 6 19	15 7 31
	OCT.	18 8 53	17 16 35		OCT.	14 19 3	14 17 46
	NOV.	16 16 37	16 10 9		NOV.	13 7 47	13 4 28
	DEC.	16 5 21	16 5 14		DEC.	12 20 31	12 15 46
1327. B. 2 16 36	JAN.	14 18 6	15 0 18	1324. E. 2 10 2	JAN.	11 9 15	11 3 38
	FEB.	13 6 50	13 17 47		FEB.	9 21 59	9 16 18
	MAR.	14 19 34	15 8 40		MAR.	11 10 43	11 5 55
	APRIL	13 8 18	13 20 35		APRIL	9 23 27	9 20 30
	MAY	12 21 2	13 5 57		MAY	9 12 11	9 11 45
	JUNE	11 9 46	11 13 43		JUNE	8 0 55	8 3 7
	JULY	10 22 30	10 20 57		JULY	7 13 39	7 17 57
	AUG.	9 11 14	9 4 42		AUG.	6 2 23	6 7 50
	SEPT.	7 23 58	7 13 50		SEPT.	4 15 7	4 20 42
	OCT.	7 12 42	7 1 2		OCT.	4 3 51	4 8 44
	NOV.	6 1 26	5 14 35		NOV.	2 16 35	2 20 11
	DEC.	5 14 10	5 6 23		DEC.	2 5 19 31 18 8	2 7 12 31 17 48
1326. A. 2 22 25	JAN.	4 2 54	3 23 51	1323. D. 2 15 51	JAN.	30 6 47	30 4 9
	FEB.	2 15 38	2 17 55		FEB.	28 19 32	28 14 34
	MAR.	4 4 22	4 11 23		MAR.	30 8 16	30 1 39
	APRIL	2 17 6	3 3 8		APRIL	28 21 0	28 13 58
	MAY	2 5 50 31 18 34	2 16 32		MAY	28 9 44	28 3 49
	JUNE	30 7 18	1 3 35 30 12 54		JUNE	26 22 28	26 19 3
	JULY	29 20 2	29 21 24		JULY	26 11 12	26 11 6
	AUG.	28 8 46	28 6 0		AUG.	24 23 56	25 3 13
	SEPT.	26 21 30	26 15 26		SEPT.	23 12 40	23 18 41
	OCT.	26 10 14	26 2 11		OCT.	23 1 24	23 9 2
	NOV.	24 22 58	24 14 27		NOV.	21 14 8	21 22 4
	DEC.	24 11 42	24 4 14		DEC.	21 2 52	21 9 42

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1322. C.	JAN. .	19 15 36	19 20 1	B.C. 1319. F.	JAN. .	16 6 46	16 18 18
	FEB. .	18 4 21	18 5 16		FEB. .	14 19 30	15 9 25
April. *d. h. m.*	MAR. .	19 17 5	19 18 56	April. *d. h. m.*	MAR. .	16 8 15	16 21 27
2 21 40	APRIL	18 5 49	17 22 52	2 15 6	APRIL	14 20 59	15 6 45
	MAY .	17 18 33	17 9 0		MAY .	14 9 43	14 14 13
	JUNE .	16 7 17	15 21 4		JUNE .	12 22 27	12 20 56
	JULY .	15 20 1	15 11 26		JULY .	12 11 11	12 4 1
	AUG. .	14 8 45	14 3 52		AUG. .	10 23 55	10 12 30
	SEPT. .	12 21 29	12 21 31		SEPT. .	9 12 39	8 23 16
	OCT. .	12 10 13	12 15 14		OCT. .	9 1 23	8 12 50
	NOV. .	10 22 57	11 7 55		NOV. .	7 14 7	7 5 11
	DEC. .	10 11 41	10 22 44		DEC. .	7 2 51	6 23 36
1321. B.A.	JAN. .	9 0 25	9 11 18	1318. E.	JAN. .	5 15 35	5 18 44
	FEB. .	7 13 9	7 21 43		FEB. .	4 4 19	4 13 2
	MAR. .	8 1 53	8 6 21		MAR. .	5 17 8	6 5 13
2 3 29	APRIL	6 14 37	6 13 56	2 20 55	APRIL	4 5 47	4 18 32
	MAY .	6 3 21	5 21 24		MAY .	3 18 31	4 5 7
	JUNE .	4 16 5	4 5 48		JUNE .	2 7 15	2 13 37
	JULY .	4 4 49	3 16 10		JULY .	1 19 59 / 31 8 43	1 21 7 / 31 4 38
	AUG. .	2 17 33	2 5 15 / 31 21 11		AUG. .	29 21 27	29 13 8
	SEPT. .	1 6 17 / 30 19 1	30 15 21		SEPT. .	28 10 11	27 23 23
	OCT. .	30 7 45	30 10 29		OCT. .	27 22 55	27 11 47
	NOV. .	28 20 29	29 5 0		NOV. .	26 11 39	26 2 25
	DEC. .	28 9 13	28 21 33		DEC. .	26 0 23	25 18 59
1320. G.	JAN. .	26 21 57	27 11 22	1317. D.C.	JAN. .	24 13 7	24 12 40
	FEB. .	25 10 41	25 22 20		FEB. .	23 1 51	23 6 23
	MAR. .	26 23 26	27 7 0		MAR. .	23 14 36	23 22 58
2 9 18	APRIL	25 12 10	25 14 11	2 2 44	APRIL	22 3 20	22 13 32
	MAY .	25 0 54	24 20 54		MAY .	21 16 4	22 1 47
	JUNE .	23 13 38	23 4 15		JUNE .	20 4 48	20 12 1
	JULY .	23 2 22	22 13 22		JULY .	19 17 32	19 21 1
	AUG. .	21 15 6	21 1 8		AUG. .	18 6 16	18 5 39
	SEPT. .	20 3 50	19 15 59		SEPT. .	16 19 0	16 14 49
	OCT. .	19 16 34	19 9 39		OCT. .	16 7 44	16 1 1
	NOV. .	18 5 18	18 5 1		NOV. .	14 20 28	14 12 32
	DEC. .	17 18 2	18 0 27		DEC. .	14 9 12	14 1 27

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.
B.C. 1316. B. April. d. h. m. 2 8 33	JAN.	12 21 56	12 15 43
	FEB.	11 10 41	11 7 9
	MAR.	12 23 25	12 23 15
	APRIL	11 12 9	11 15 21
	MAY	11 0 53	11 6 41
	JUNE	9 13 37	9 20 40
	JULY	9 2 21	9 9 5
	AUG.	7 15 5	7 20 12
	SEPT.	6 3 49	6 6 38
	OCT.	5 16 33	5 16 57
	NOV.	4 5 17	4 3 31
	DEC.	3 18 1	3 14 30
1315. A.	JAN.	2 6 45 / 31 19 29	2 1 56 / 31 18 54
	FEB.	...	...
	MAR.	2 8 13 / 31 20 57	2 2 44 / 31 16 33
2 14 22	APRIL	30 9 41	30 7 21
	MAY	29 22 25	29 22 41
	JUNE	28 11 9	28 13 57
	JULY	27 23 58	28 4 36
	AUG.	26 12 37	26 18 16
	SEPT.	25 1 21	25 6 59
	OCT.	24 14 5	24 18 54
	NOV.	23 2 49	23 6 13
	DEC.	22 15 33	22 16 59
1314. G.	JAN.	21 4 17	21 3 16
	FEB.	19 17 1	19 13 20
	MAR.	21 5 46	20 23 43
2 20 11	APRIL	19 18 30	19 11 6
	MAY	19 7 14	19 0 1
	JUNE	17 19 58	17 14 33
	JULY	17 8 42	17 6 23
	AUG.	15 21 26	15 22 49
	SEPT.	14 10 10	14 14 57
	OCT.	13 22 54	14 6 10
	NOV.	12 11 38	12 20 5
	DEC.	12 0 22	12 8 28

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.
B.C. 1313. F.E. April. d. h. m. 2 1 59	JAN.	10 13 6	10 19 22
	FEB.	9 1 50	9 4 54
	MAR.	9 14 34	9 13 33
	APRIL	8 3 18	7 22 2
	MAY	7 16 2	7 7 15
	JUNE	6 4 46	5 18 9
	JULY	5 17 30	5 7 21
	AUG.	4 6 14	3 22 55
	SEPT.	2 18 58	2 16 16
	OCT.	2 7 42 / 31 20 26	2 10 18 / 1 3 51 / 30 19 49
	NOV.	30 9 10	
	DEC.	29 21 54	30 9 34
1312. D.	JAN.	28 10 38	28 20 56
	FEB.	26 23 22	27 6 14
	MAR.	28 12 7	28 14 7
2 7 48	APRIL	27 0 51	26 21 21
	MAY	26 13 35	26 5 2
	JUNE	25 2 19	24 14 15
	JULY	24 15 8	24 1 57
	AUG.	23 3 47	22 16 33
	SEPT.	21 16 31	21 9 51
	OCT.	21 5 15	21 4 49
	NOV.	19 17 59	19 23 57
	DEC.	19 6 43	19 17 42
1311. C.	JAN.	17 19 27	18 8 55
	FEB.	16 8 11	16 21 12
	MAR.	17 20 56	18 6 49
2 13 37	APRIL	16 9 40	16 14 31
	MAY	15 22 24	15 21 15
	JUNE	14 11 8	14 4 9
	JULY	13 23 52	13 12 16
	AUG.	12 12 36	11 22 41
	SEPT.	11 1 20	10 12 4
	OCT.	10 14 4	10 4 29
	NOV.	9 2 48	8 23 12
	DEC.	8 15 32	8 18 48

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1310. D.	JAN. .	7 4 16	7 13 35	B.C. 1307. E.	JAN. .	3 19 26	3 12 36
	FEB. .	5 17 0	6 6 6		FEB. .	2 8 10	2 3 11
April. *d. h. m.*	MAR. .	7 5 44	7 19 35	April. *d. h. m.*	MAR. .	3 20 54	3 18 43
2 19 26	APRIL	5 18 28	6 6 5	2 12 52	APRIL	2 9 38	2 10 41
	MAY .	5 7 12	5 14 20		MAY .	1 22 22	2 2 24
	JUNE .	3 19 56	3 21 18			31 11 6	31 17 8
	JULY .	3 8 40	3 4 9		JUNE .	29 23 50	30 6 30
	AUG. .	1 21 24	1 11 55		JULY .	29 12 34	29 18 29
		31 10 8	30 21 34		AUG. .	28 1 18	28 5 28
	SEPT. .	29 22 52	29 9 47		SEPT. .	26 14 2	26 16 2
	OCT. .	29 11 36	29 0 48		OCT. .	26 2 46	26 2 37
	NOV. .	28 0 20	27 18 15		NOV. .	24 15 30	24 18 26
	DEC. .	27 13 4	27 13 5		DEC. .	24 4 14	24 0 32
1309. A.G.	JAN. .	26 1 48	26 7 51	1306. D.	JAN. .	22 16 58	22 11 59
	FEB. .	24 14 32	25 1 5		FEB. .	21 5 42	21 0 3
	MAR. .	25 3 17	25 15 48		MAR. .	22 18 27	22 13 4
2 1 15	APRIL	23 16 1	24 3 42	2 18 41	APRIL	21 7 11	21 3 10
	MAY .	23 4 45	23 13 11		MAY .	20 19 55	20 18 11
	JUNE .	21 17 29	21 21 9		JUNE .	19 8 39	19 9 38
	JULY .	21 6 13	21 4 40		JULY .	18 21 23	19 0 51
	AUG. .	19 18 57	19 12 46		AUG. .	17 10 7	17 15 18
	SEPT. .	18 7 41	17 22 14		SEPT. .	15 22 51	16 4 46
	OCT. .	17 20 25	17 9 36		OCT. .	15 11 35	15 17 20
	NOV. .	16 9 9	15 23 6		NOV. .	14 0 19	14 5 6
	DEC. .	15 21 53	15 14 38		DEC. .	13 13 3	13 16 9
1308. F.	JAN. .	14 10 37	14 7 40	1305. C.B.	JAN. .	12 1 47	12 2 31
	FEB. .	12 23 21	13 1 15		FEB. .	10 14 31	10 12 25
	MAR. .	14 12 6	14 18 21		MAR. .	11 3 16	10 22 18
2 7 4	APRIL	13 0 50	13 9 54	2 0 30	APRIL	9 16 0	9 8 50
	MAY .	12 13 34	12 23 21		MAY .	9 4 44	8 20 43
	JUNE .	11 2 18	11 10 39		JUNE .	7 17 28	7 10 22
	JULY .	10 15 2	10 20 21		JULY .	7 6 12	7 1 41
	AUG. .	9 3 46	9 5 17		AUG. .	5 18 56	5 18 4
	SEPT. .	7 16 30	7 14 20		SEPT. .	4 7 40	4 10 43
	OCT. .	7 5 14	7 0 7		OCT. .	3 20 24	4 2 46
	NOV. .	5 17 58	5 11 2		NOV. .	2 9 8	2 17 36
	DEC. .	5 6 42	4 23 11		DEC. .	1 21 52	2 6 53
						31 10 36	31 18 28

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1304. A. April. d. h. m. 2 6 19	JAN.	29 23 20	30 4 30	B.C. 1301. E.D. April. d. h. m. 1 23 45	JAN.	27 14 30	28 2 3
	FEB.	28 12 4	28 13 20		FEB.	26 3 14	26 17 1
	MAR.	30 0 48	29 21 35		MAR.	26 15 58	27 4 54
	APRIL	28 13 32	28 6 7		APRIL	25 4 42	25 14 8
	MAY	28 2 16	27 15 55		MAY	24 17 26	24 21 37
	JUNE	26 15 0	26 3 53		JUNE	23 6 10	23 4 26
	JULY	26 3 44	25 18 20		JULY	22 18 54	22 11 44
	AUG.	24 16 28	24 11 1		AUG.	21 7 38	20 20 29
	SEPT.	23 5 12	23 5 5		SEPT.	19 20 22	19 7 26
	OCT.	22 17 56	22 23 15		OCT.	19 9 6	18 21 6
	NOV.	21 6 40	21 16 17		NOV.	17 21 50	17 13 22
	DEC.	20 19 24	21 7 15		DEC.	17 10 34	17 7 34
1303. G. 2 12 8	JAN.	19 8 9	19 19 46	1300. C. 2 5 34	JAN.	15 23 18	16 2 23
	FEB.	17 20 53	18 5 55		FEB.	14 12 2	14 20 24
	MAR.	19 9 37	19 14 15		MAR.	16 0 47	16 12 22
	APRIL	17 22 21	17 21 32		APRIL	14 13 31	15 1 37
	MAY	17 11 5	17 4 45		MAY	14 2 15	14 12 15
	JUNE	15 23 49	15 13 0		JUNE	12 14 59	12 20 58
	JULY	15 12 33	14 23 21		JULY	12 3 43	12 4 44
	AUG.	14 1 17	13 12 32		AUG.	10 16 27	10 12 37
	SEPT.	12 14 1	12 4 41		SEPT.	9 5 11	8 21 29
	OCT.	12 2 45	11 23 6		OCT.	8 17 55	8 7 58
	NOV.	10 15 29	10 18 28		NOV.	7 6 39	6 20 24
	DEC.	10 4 13	10 13 9		DEC.	6 19 23	6 10 51
1302. F. 2 17 57	JAN.	8 16 57	9 5 44	1299. B. 2 11 23	JAN.	5 8 7	5 3 0
	FEB.	7 5 41	7 19 26		FEB.	3 20 51	3 20 11
	MAR.	8 18 26	9 6 14		MAR.	5 9 35	5 13 26
	APRIL	7 7 10	7 14 40		APRIL	3 22 19	4 5 44
	MAY	6 19 54	6 21 40		MAY	3 11 3	3 20 15
	JUNE	5 3 38	5 4 19		JUNE	1 23 47	2 3 42
	JULY	4 21 22	4 11 43		JULY	1 12 31 31 1 15	1 19 17 31 4 43
	AUG.	3 10 6	2 20 57		AUG.	29 13 59	29 13 51
	SEPT.	1 22 50	1 3 53 30 23 53		SEPT.	28 2 43	27 23 25
	OCT.	1 11 34 31 0 18	30 17 37		OCT.	27 15 27	27 9 50
	NOV.	29 13 2	29 12 59		NOV.	26 4 11	25 21 22
	DEC.	29 1 46	29 8 20		DEC.	25 16 55	25 9 58

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1298. A. April. *d. h. m.* 2 17 12	JAN. .	24 5 39	23 23 44	B.C. 1295. D. April. *d. h. m.* 2 10 38	JAN. .	20 20 49	21 8 56
	FEB. .	22 18 23	22 14 32		FEB. .	19 9 33	19 13 8
	MAR. .	24 7 8	24 6 7		MAR. .	20 22 18	20 21 23
	APRIL	22 19 52	22 21 53		APRIL	19 11 2	19 5 28
	MAY .	22 8 36	22 13 10		MAY .	18 23 46	18 14 22
	JUNE .	20 21 20	21 3 25		JUNE .	17 12 30	17 1 4
	JULY .	20 10 4	20 16 16		JULY .	17 1 14	16 14 15
	AUG. .	18 22 48	19 3 59		AUG. .	15 13 58	15 6 0
	SEPT. .	17 11 32	17 14 57		SEPT. .	14 2 42	13 23 41
	OCT. .	17 0 16	17 1 43		OCT. .	13 15 26	13 18 9
	NOV. .	15 13 0	15 12 28		NOV. .	12 4 10	12 12 6
	DEC. .	15 1 44	14 23 22		DEC. .	11 16 54	12 4 17
1297. G.F. 1 23 1	JAN. .	13 14 28	13 10 27	1294. C. 2 16 27	JAN. .	10 5 38	10 18 2
	FEB. .	12 8 12	11 21 54		FEB. .	8 18 22	9 5 14
	MAR. .	12 15 57	12 10 7		MAR. .	10 7 7	10 14 15
	APRIL	11 4 41	10 23 25		APRIL	8 19 51	8 21 48
	MAY .	10 17 25	10 13 51		MAY .	8 8 35	8 4 48
	JUNE .	9 6 9	9 5 9		JUNE .	6 21 19	6 12 19
	JULY .	8 18 53	8 20 41		JULY .	6 10 8	5 21 29
	AUG. .	7 7 37	7 11 48		AUG. .	4 22 47	4 9 14
	SEPT. .	5 20 21	6 2 5		SEPT. .	3 11 31	3 0 0
	OCT. .	5 9 5	5 15 22		OCT. .	3 0 15	2 17 31
	NOV. .	3 21 49	4 3 43		NOV. .	1 12 59	1 12 43
	DEC. .	3 10 33	3 15 10		DEC. .	1 1 43 30 14 27	1 8 2 31 1 52
1296. E. 2 4 50	JAN. .	1 23 17 31 12 1	2 1 47 31 11 42	1293. B.A. 1 22 16	JAN. .	29 3 11	29 16 58
	FEB. .	...	...		FEB. .	27 15 55	28 5 6
	MAR. .	2 0 45 31 13 29	1 21 16 31 7 7		MAR. .	28 4 39	28 14 31
	APRIL	30 2 13	29 13 2		APRIL	26 17 23	26 22 1
	MAY .	29 14 57	29 6 39		MAY .	26 6 7	26 4 41
	JUNE .	28 3 41	27 21 8		JUNE .	24 18 51	24 11 36
	JULY .	27 16 25	27 13 11		JULY .	24 7 35	23 19 51
	AUG. .	26 5 9	26 6 3		AUG. .	22 20 19	22 6 26
	SEPT. .	24 17 53	24 22 46		SEPT. .	21 9 3	20 19 57
	OCT. .	24 6 37	24 14 32		OCT. .	20 21 47	20 12 27
	NOV. .	22 19 21	23 4 46		NOV. .	19 10 31	19 7 11
	DEC. .	22 8 5	22 17 14		DEC. .	18 23 15	19 2 42

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1292. G.	JAN. .	17 11 59	17 21 20	**B.C. 1289.** D.C.	JAN. .	15 8 9	14 20 50
	FEB. .	16 0 43	16 13 41		FEB. .	13 15 53	13 10 50
April. *d. h. m.*	MAR. .	17 13 28	18 3 3	April. *d. h. m.*	MAR. .	14 4 38	14 1 48
2 4 5	APRIL	16 2 12	16 13 29	1 21 31	APRIL	12 17 22	12 17 20
	MAY .	15 14 56	15 21 42		MAY .	12 6 6	12 8 53
	JUNE .	14 3 40	14 4 47		JUNE .	10 18 50	10 23 46
	JULY .	13 16 24	13 11 50		JULY .	10 7 34	10 13 30
	AUG. .	12 5 8	11 19 52		AUG. .	8 20 18	9 2 2
	SEPT. .	10 17 52	10 5 46		SEPT. .	7 9 2	7 13 36
	OCT. .	10 6 36	9 18 7		OCT. .	6 21 46	7 0 40
	NOV. .	8 19 20	8 9 7		NOV. .	5 10 30	5 11 32
	DEC. .	8 8 4	8 2 22		DEC. .	4 23 14	4 22 23
1291. F.	JAN. .	6 20 48	6 20 52	**1288.** B.	JAN. .	3 11 58	3 9 13
	FEB. .	5 9 32	5 15 16		FEB. .	2 0 42	1 20 13
	MAR. .	6 22 17	7 8 15		MAR. .	3 13 27	3 7 43
2 9 53	APRIL	5 11 1	5 22 50	2 3 20	APRIL	2 2 11	1 20 8
	MAY .	4 23 45	5 10 46		MAY .	1 14 55	1 9 48
	JUNE .	3 12 29	3 20 24			31 3 39	31 0 39
	JULY .	3 1 13	3 4 39		JUNE .	29 16 23	29 16 13
	AUG. .	1 13 57	1 12 33		JULY .	29 5 7	29 7 49
		31 2 41	30 21 1		AUG. .	27 17 51	27 22 51
	SEPT. .	29 15 25	29 6 47		SEPT. .	26 6 35	26 12 56
	OCT. .	29 4 9	28 18 17		OCT. .	25 19 19	26 2 0
	NOV. .	27 16 53	27 7 40		NOV. .	24 8 8	24 14 0
	DEC. .	27 5 37	26 22 51		DEC. .	23 20 47	24 1 2
1290. E.	JAN. .	25 18 21	25 15 21	**1287.** A.	JAN. .	22 9 31	22 11 6
	FEB. .	24 7 5	24 8 26		FEB. .	20 22 15	20 20 34
	MAR. .	25 19 49	26 1 8		MAR. .	22 10 59	22 5 54
2 15 42	APRIL	24 8 33	24 16 34	2 9 9	APRIL	20 23 43	20 15 57
	MAY .	23 21 17	24 6 7		MAY .	20 12 27	20 3 29
	JUNE .	22 10 1	22 17 43		JUNE .	19 1 11	18 16 58
	JULY .	21 22 45	22 3 52		JULY .	18 13 55	18 8 23
	AUG. .	20 11 29	20 13 17		AUG. .	17 2 39	17 1 8
	SEPT. .	19 0 13	18 22 48		SEPT. .	15 15 23	15 18 17
	OCT. .	18 12 57	18 8 55		OCT. .	15 4 7	15 10 53
	NOV. .	17 1 41	16 19 55		NOV. .	13 16 51	14 2 9
	DEC. .	16 14 25	16 7 52		DEC. .	13 5 35	13 15 35

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1286. G. April. d. h. m. 2 14 58	JAN. .	11 18 19	12 3 7	B.C. 1283. C. April. d. h. m. 2 8 24	JAN. .	8 9 29	8 16 6
	FEB. .	10 7 3	10 12 52		FEB. .	6 22 13	7 9 37
	MAR. .	11 19 48	11 21 19		MAR. .	8 10 58	9 0 27
	APRIL	10 8 32	10 5 10		APRIL	6 23 42	7 12 14
	MAY .	9 21 16	9 13 20		MAY .	6 12 26	6 21 27
	JUNE .	8 10 0	7 22 56		JUNE .	5 1 10	5 5 1
	JULY .	7 22 44	7 10 48		JULY .	4 13 54	4 12 3
	AUG. .	6 11 28	6 1 21		AUG. .	3 2 38	2 19 37
	SEPT. .	5 0 12	4 18 19		SEPT. .	1 15 22	1 4 38 / 30 15 49
	OCT. .	4 12 56	4 12 46		OCT. .	1 4 6 / 30 16 50	30 5 31
	NOV. .	3 1 40	3 7 20		NOV. .	29 5 34	28 21 38
	DEC. .	2 14 24	3 0 38		DEC. .	28 18 18	28 15 30
1285. F.E.	JAN. .	1 3 8 / 30 15 52	1 15 41 / 31 4 5	1282. B.	JAN. .	27 7 2	27 9 55
	FEB. .	29 4 36	29 13 59		FEB. .	25 19 46	26 3 35
	MAR. .	29 17 20	29 22 1		MAR. .	27 8 30	27 19 20
1 20 46	APRIL	28 6 4	28 5 2	2 14 13	APRIL	25 21 14	26 8 35
	MAY .	27 18 48	27 12 4		MAY .	25 9 58	25 19 20
	JUNE .	26 7 32	25 20 16		JUNE .	23 22 42	24 4 18
	JULY .	25 20 16	25 6 40		JULY .	23 11 26	23 12 27
	AUG. .	24 9 0	23 19 58		AUG. .	22 0 10	21 20 43
	SEPT. .	22 21 44	22 12 18		SEPT. .	20 12 54	20 5 57
	OCT. .	22 10 28	22 6 55		OCT. .	20 1 38	19 16 38
	NOV. .	20 23 12	21 2 27		NOV. .	18 14 22	18 5 4
	DEC. .	20 11 56	20 21 13		DEC. .	18 3 6	17 19 15
1284. D.	JAN. .	19 0 40	19 13 46	1281. A.G.	JAN. .	16 15 50	16 10 54
	FEB. .	17 13 24	18 3 19		FEB. .	15 4 34	15 3 32
	MAR. .	19 2 9	19 13 56		MAR. .	15 17 19	15 20 21
2 2 35	APRIL	17 14 53	17 22 13	1 20 2	APRIL	14 6 3	14 12 24
	MAY .	17 3 37	17 5 7		MAY .	13 18 47	14 2 56
	JUNE .	15 16 21	15 11 47		JUNE .	12 7 31	12 15 36
	JULY .	15 5 5	14 19 18		JULY .	11 20 15	12 2 36
	AUG. .	13 17 49	13 4 42		AUG. .	10 8 59	10 12 33
	SEPT. .	12 6 33	11 16 47		SEPT. .	8 21 43	8 22 11
	OCT. .	11 19 17	11 7 53		OCT. .	8 10 27	8 8 7
	NOV. .	10 8 1	10 1 39		NOV. .	6 23 11	6 18 45
	DEC. .	9 20 45	9 20 55		DEC. .	6 11 55	6 6 11

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1280. F. April. *d. h. m.* 2 1 51	JAN. .	5 0 39	4 18 28	B.C. 1277. C.B. April. *d. h. m.* 1 19 17	JAN. .	2 15 49	3 1 55
	FEB. .	3 13 23	3 7 39		FEB. .	1 4 33	1 12 24
	MAR. .	5 2 8	4 21 51		MAR. .	1 17 18 31 6 2	1 21 15 31 5 6
	APRIL	3 14 52	3 12 54		APRIL	29 18 46	29 12 49
	MAY .	3 8 36	3 4 23		MAY .	29 7 30	28 21 28
	JUNE .	1 16 20	1 19 42		JUNE .	27 20 14	27 8 3
	JULY .	1 5 4 30 17 43	1 10 11 30 23 34		JULY .	27 8 58	26 21 16
	AUG. .	29 6 32	29 11 53		AUG. .	25 21 42	25 13 12
	SEPT. .	27 19 16	27 23 25		SEPT. .	24 10 26	24 7 14
	OCT. .	27 8 0	27 10 33		OCT. .	23 23 10	24 2 6
	NOV. .	25 20 44	25 21 28		NOV. .	22 11 54	22 20 20
	DEC. .	25 9 28	25 8 13		DEC. .	22 0 33	22 12 40
1279. E. 2 7 40	JAN. .	23 22 12	23 18 55	1276. A. 2 1 6	JAN. .	20 13 22	21 2 22
	FEB. .	22 10 56	22 5 48		FEB. .	19 2 6	19 13 22
	MAR. .	23 23 40	23 17 25		MAR. .	20 14 50	20 22 6
	APRIL	22 12 24	22 6 12		APRIL	19 3 34	19 5 21
	MAY .	22 1 8	21 20 21		MAY .	18 16 18	18 12 11
	JUNE .	20 13 52	20 11 33		JUNE .	17 5 2	16 19 38
	JULY .	20 2 36	20 3 27		JULY .	16 17 46	16 4 49
	AUG. .	18 15 20	18 19 5		AUG. .	15 6 30	14 16 41
	SEPT. .	17 4 4	17 10 0		SEPT. .	13 19 14	13 7 36
	OCT. .	16 16 48	16 23 49		OCT. .	13 7 58	13 1 18
	NOV. .	15 5 32	15 12 31		NOV. .	11 20 42	11 20 40
	DEC. .	14 18 16	15 0 4		DEC. .	11 9 26	11 16 2
1278. D. 2 13 29	JAN. .	13 7 0	13 10 30	1275. G. 2 6 55	JAN. .	9 22 10	10 9 48
	FEB. .	11 19 44	11 20 0		FEB. .	8 10 54	9 0 51
	MAR. .	13 8 29	13 5 5		MAR. .	9 23 39	10 12 49
	APRIL	11 21 13	11 14 26		APRIL	8 12 23	8 22 4
	MAY .	11 9 57	11 0 57		MAY .	8 1 7	8 5 29
	JUNE .	9 22 41	9 13 19		JUNE .	6 13 51	6 12 9
	JULY .	9 11 25	9 3 49		JULY .	6 2 35	5 19 10
	AUG. .	8 0 9	7 20 7		AUG. .	4 15 19	4 3 36
	SEPT. .	6 12 53	6 13 25		SEPT. .	3 4 3	2 14 21
	OCT. .	6 1 37	6 6 42		OCT. .	2 16 47	2 4 1 31 20 33
	NOV. .	4 14 21	4 22 56		NOV. .	1 5 31 30 18 15	30 15 12
	DEC. .	4 3 5	4 13 26		DEC. .	30 6 59	30 10 32

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1274. F. April. *d. h. m.* 2 12 44	JAN. .	28 19 43	29 4 56	B.C. 1271. B. April. *d. h. m.* 2 6 10	JAN. .	25 10 53	25 5 0
	FEB. .	27 8 27	27 21 6		FEB. .	23 23 37	23 18 24
	MAR. .	28 21 12	29 10 21		MAR. .	25 12 22	25 8 36
	APRIL	27 9 56	27 20 44		APRIL	24 1 6	23 23 54
	MAY .	26 22 40	27 5 3		MAY .	23 13 50	23 15 19
	JUNE .	25 11 24	25 12 18		JUNE .	22 2 34	22 6 23
	JULY .	25 0 8	24 19 37		JULY .	21 15 18	21 20 34
	AUG. .	23 12 52	23 3 57		AUG. .	20 4 2	20 9 41
	SEPT. .	22 1 36	21 14 6		SEPT. .	18 16 46	18 21 50
	OCT. .	21 14 20	21 2 35		OCT. .	18 5 30	18 9 23
	NOV. .	20 3 4	19 17 30		NOV. .	16 18 14	16 20 31
	DEC. .	19 15 48	19 10 26		DEC. .	16 6 58	16 7 19
1273. E.D.	JAN. .	18 4 32	18 4 33	1270. A.	JAN. .	14 19 42	14 17 41
	FEB. .	16 17 16	16 22 33		FEB. .	13 8 26	13 4 21
	MAR. .	17 6 0	17 15 14		MAR. .	14 21 10	14 15 14
1 18 33	APRIL	15 18 44	16 5 44	2 11 59	APRIL	13 9 54	13 3 8
	MAY .	15 7 28	15 17 45		MAY .	12 22 33	12 16 25
	JUNE .	13 20 12	14 3 37		JUNE .	11 11 22	11 7 7
	JULY .	13 8 56	13 12 13		JULY .	11 0 6	10 22 50
	AUG. .	11 21 40	11 20 31		AUG. .	9 12 50	9 14 58
	SEPT. .	10 10 24	10 5 24		SEPT. .	8 1 34	8 6 31
	OCT. .	9 23 8	9 15 26		OCT. .	7 14 18	7 21 11
	NOV. .	8 11 52	8 3 2		NOV. .	6 3 2	6 10 41
	DEC. .	8 0 36	7 16 14		DEC. .	5 15 46	5 22 58
1272. C.	JAN. .	6 13 20	6 6 58	1269. G.F.	JAN. .	4 4 30	4 9 48
	FEB. .	5 2 4	4 22 56		FEB. .	2 17 14	2 19 34
	MAR. .	6 14 49	6 15 29		MAR. .	3 5 59	3 4 34
2 0 22	APRIL	5 3 33	5 7 51	1 17 48	APRIL	1 18 43	1 13 26 30 23 3
	MAY .	4 16 17	4 23 11		MAY .	1 7 27 30 20 11	30 10 17
	JUNE .	3 5 1	3 12 58		JUNE .	29 8 55	28 23 40
	JULY .	2 17 45	3 0 52		JULY .	28 21 39	28 15 13
	AUG. .	1 6 29 30 19 13	1 11 29 30 21 27		AUG. .	27 10 23	27 8 20
	SEPT. .	29 7 57	29 7 24		SEPT. .	25 23 7	26 2 1
	OCT. .	28 20 41	28 17 47		OCT. .	25 11 51	25 19 6
	NOV. .	27 9 25	27 4 50		NOV. .	24 0 35	24 10 43
	DEC. .	26 22 9	26 16 33		DEC. .	23 13 19	24 0 16

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1268. E.	JAN. .	22 2 8	22 11 38	**B.C. 1265.** B.A.	JAN. .	19 17 13	19 23 45
	FEB. .	20 14 47	20 21 6		FEB. .	18 5 57	18 17 4
April. *d. h. m.*	MAR. .	22 3 31	22 5 9	April. *d. h. m.*	MAR. .	18 18 41	19 7 43
1 23 37	APRIL	20 16 15	20 12 38	1 17 3	APRIL	17 7 25	17 19 27
	MAY .	20 4 59	19 20 34		MAY .	16 20 9	17 4 42
	JUNE .	18 17 43	18 5 59		JUNE .	15 8 53	15 12 26
	JULY .	18 6 27	17 17 50		JULY .	14 21 37	14 19 45
	AUG. .	16 19 11	16 8 30		AUG. .	13 10 21	13 3 36
	SEPT. .	15 7 55	15 1 46		SEPT. .	11 23 5	11 12 54
	OCT. .	14 20 39	14 20 33		OCT. .	11 11 49	11 0 17
	NOV. .	13 9 23	13 15 25		NOV. .	10 0 33	9 13 58
	DEC. .	12 22 7	13 8 55		DEC. .	9 13 17	9 5 52
1267. D.	JAN. .	11 10 51	12 0 0	**1264.** G.	JAN. .	8 2 1	7 23 18
	FEB. .	9 23 35	10 12 14		FEB. .	6 14 45	6 17 18
	MAR. .	11 12 20	11 21 54		MAR. .	8 3 30	8 10 39
2 5 26	APRIL	10 1 4	10 5 41	1 22 52	APRIL	6 16 14	7 2 13
	MAY .	9 13 48	9 12 30		MAY .	6 4 58	6 15 28
	JUNE .	8 2 32	7 19 27		JUNE .	4 17 42	5 2 26
	JULY .	7 15 16	7 3 39		JULY .	4 6 26	4 11 44
	AUG. .	6 4 0	5 14 8		AUG. .	2 19 10	2 20 17
	SEPT. .	4 16 44	4 3 35		SEPT. .	1 7 54	1 4 59
	OCT. .	4 5 28	3 20 5			30 20 38	30 14 34
	NOV. .	2 18 12	2 14 51		OCT. .	30 9 22	30 1 26
	DEC. .	2 6 56	2 10 27		NOV. .	28 22 6	28 13 47
		31 19 40	...		DEC. .	28 10 50	28 3 36
1266. C.	JAN. .	30 8 24	1 5 21	**1263.** F.	JAN. .	26 23 34	26 18 44
	FEB. .	28 21 9	30 21 33		FEB. .	25 12 18	25 10 48
	MAR. .	30 9 53	1 11 4		MAR. .	27 1 3	27 3 10
2 11 15	APRIL	28 22 37	30 21 30	2 4 41	APRIL	25 13 47	25 18 59
	MAY .	28 11 21	29 5 40		MAY .	25 2 31	25 9 34
	JUNE .	27 0 5	28 12 34		JUNE .	23 15 15	23 22 32
	JULY .	26 12 49	26 19 19		JULY .	23 3 59	23 10 1
	AUG. .	25 1 33	26 3 0		AUG. .	21 16 43	21 20 29
	SEPT. .	23 14 17	24 12 36		SEPT. .	20 5 27	20 6 37
	OCT. .	23 3 1	23 0 52		OCT. .	19 18 11	19 16 57
	NOV. .	21 15 45	22 16 2		NOV. .	18 6 55	18 3 43
	DEC. .	21 4 29	21 9 43		DEC. .	17 19 39	17 15 1

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1262. E.	JAN. .	16 8 28	16 2 52
	FEB. .	14 21 7	14 15 28
April. *d. h. m.*	MAR. .	16 9 51	16 5 2
2 10 29	APRIL	14 22 36	14 19 37
	MAY .	14 11 21	14 10 52
	JUNE .	13 0 5	13 2 13
	JULY .	12 12 49	12 17 4
	AUG. .	11 1 33	11 6 59
	SEPT. .	9 14 17	9 19 55
	OCT. .	9 3 1	9 7 59
	NOV. .	7 15 45	7 19 27
	DEC. .	7 4 29	7 6 27
1261. D.C.	JAN. .	5 17 13	5 17 0
	FEB. .	4 5 57	4 3 15
	MAR. .	4 18 40	4 13 35
1 16 18	APRIL	3 7 24	3 0 37
	MAY .	2 20 8	2 12 56
	JUNE .	1 8 52 30 21 36	1 2 52 30 18 10
	JULY .	30 10 20	30 10 19
	AUG. .	28 23 4	29 2 31
	SEPT. .	27 11 48	27 18 1
	OCT. .	27 0 32	27 8 22
	NOV. .	25 13 16	25 21 21
	DEC. .	25 2 0	25 8 55
1260. B.	JAN. .	23 14 44	23 19 5
	FEB. .	22 3 28	22 4 11
	MAR. .	23 16 13	23 12 48
1 22 7	APRIL	22 4 57	21 21 43
	MAY .	21 17 41	21 7 53
	JUNE	20 6 25	19 20 4
	JULY .	19 19 9	19 10 37
	AUG. .	18 7 53	18 3 12
	SEPT. .	16 20 37	16 20 57
	OCT. .	16 9 21	16 14 43
	NOV. .	14 22 5	15 7 21
	DEC. .	14 10 49	14 22 4

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1259. A.	JAN. .	12 23 33	13 10 30
	FEB. .	11 12 17	11 20 43
April. *d. h. m.*	MAR. .	13 1 1	13 5 13
2 3 56	APRIL	11 13 45	11 12 42
	MAY .	11 2 29	10 20 9
	JUNE .	9 15 13	9 4 36
	JULY .	9 3 57	8 15 7
	AUG. .	7 16 41	7 4 25
	SEPT. .	6 5 25	5 20 34
	OCT. .	5 18 9	5 14 53
	NOV. .	4 6 53	4 10 4
	DEC. .	3 19 37	4 4 32
1258. G.	JAN. .	2 8 21 31 21 5	2 20 56 ...
	FEB. .	...	1 10 32
	MAR. .	2 9 50 31 22 34	2 21 20 1 5 48
2 9 45	APRIL	30 11 18	30 12 54
	MAY .	30 0 2	29 19 36
	JUNE .	28 12 46	28 3 8
	JULY .	28 1 30	27 12 19
	AUG. .	26 14 14	26 0 18
	SEPT. .	25 2 58	24 15 24
	OCT. .	24 15 42	24 9 13
	NOV. .	23 4 26	23 4 38
	DEC. .	22 17 10	23 0 0
1257. F.E.	JAN. .	21 5 54	21 17 41
	FEB. .	19 18 38	20 8 35
	MAR. .	20 7 22	20 20 23
1 15 34	APRIL	18 20 6	19 5 31
	MAY .	18 8 50	18 12 54
	JUNE .	16 21 34	16 19 38
	JULY .	16 10 18	16 2 49
	AUG. .	14 23 2	14 11 27
	SEPT. .	13 11 46	12 22 25
	OCT. .	13 0 30	12 12 12
	NOV. .	11 13 14	11 4 42
	DEC. .	11 1 58	10 23 9

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1256. D. April. *d. h. m.* 1 21 22	JAN.	9 14 42	9 18 14	B.C. 1253. A.G. April. *d. h. m.* 1 14 49	JAN.	7 5 52	7 1 7
	FEB.	8 3 26	8 12 24		FEB.	5 18 36	5 13 4
	MAR.	9 16 11	10 4 23		MAR.	6 7 21	6 1 50
	APRIL	8 4 55	8 17 30		APRIL	4 20 5	4 15 38
	MAY	7 17 39	8 3 56		MAY	4 8 49	4 6 25
	JUNE	6 6 23	6 12 22		JUNE	2 21 33	2 21 45
	JULY	5 19 7	5 19 53		JULY	2 10 17 / 31 23 1	2 13 3
	AUG.	4 7 51	4 3 29		AUG.	30 11 45	1 3 43 / 30 17 26
	SEPT.	2 20 35	2 12 10		SEPT.	29 0 29	29 6 11
	OCT.	2 9 19 / 31 22 3	1 22 34 / 31 11 8		OCT.	28 13 13	28 18 10
	NOV.	30 10 47	30 1 53		NOV.	27 1 57	27 5 28
	DEC.	29 23 31	29 18 28		DEC.	26 14 41	26 16 10
1255. C. 2 3 11	JAN.	28 12 15	28 12 6	1252. F. 1 20 38	JAN.	25 3 25	25 2 21
	FEB.	27 0 59	27 5 41		FEB.	23 16 9	23 12 20
	MAR.	28 13 44	28 22 7		MAR.	25 4 54	24 22 41
	APRIL	27 2 28	27 12 32		APRIL	23 17 38	23 10 3
	MAY	26 15 12	27 0 40		MAY	23 6 22	22 23 1
	JUNE	25 3 56	25 10 52		JUNE	21 19 6	21 13 38
	JULY	24 16 40	24 19 52		JULY	21 7 50	21 5 35
	AUG.	23 5 24	23 4 37		AUG.	19 20 34	19 22 5
	SEPT.	21 18 8	21 18 54		SEPT.	18 9 18	18 14 18
	OCT.	21 6 52	21 0 14		OCT.	17 22 2	18 5 33
	NOV.	19 19 36	19 11 49		NOV.	16 10 46	16 19 25
	DEC.	19 8 20	19 0 47		DEC.	15 23 30	16 7 44
1254. B. 2 9 0	JAN.	17 21 4	17 15 3	1251. E. 2 2 27	JAN.	14 12 14	14 18 29
	FEB.	16 9 48	16 6 25		FEB.	13 0 58	13 3 53
	MAR.	17 22 32	17 22 27		MAR.	14 13 42	14 12 26
	APRIL	16 11 16	16 14 27		APRIL	13 2 26	12 20 51
	MAY	16 0 0	16 5 42		MAY	12 15 10	12 6 6
	JUNE	14 12 44	14 19 38		JUNE	11 3 54	10 17 5
	JULY	14 1 28	14 8 1		JULY	10 16 38	10 6 27
	AUG.	12 14 12	12 19 12		AUG.	9 5 22	8 22 11
	SEPT.	11 2 56	11 5 42		SEPT.	7 18 6	7 15 40
	OCT.	10 15 40	10 16 6		OCT.	7 6 50	7 9 48
	NOV.	9 4 24	9 2 44		NOV.	5 19 34	6 3 21
	DEC.	8 17 8	8 13 44		DEC.	5 8 18	5 19 14

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1250. D.	JAN. .	3 21 2	4 8 49
	FEB. .	2 9 46	2 20 1
April. *d. h. m.*	MAR. .	3 22 31	4 5 10
2 8 15	APRIL	2 11 15	2 12 53
	MAY .	1 23 59	1 20 5
		31 12 43	31 3 48
	JUNE .	30 1 27	29 13 8
	JULY .	29 14 11	29 1 1
	AUG. .	28 2 55	27 15 51
	SEPT. .	26 15 39	26 9 20
	OCT. .	26 4 23	26 4 24
	NOV. .	24 17 7	24 23 31
	DEC. .	24 5 51	24 17 9
1249. C.B.	JAN. .	22 18 35	23 8 10
	FEB. .	21 7 19	21 20 15
	MAR. .	21 20 4	22 5 41
1 14 4	APRIL	20 8 48	20 13 15
	MAY .	19 21 32	19 19 57
	JUNE .	18 10 16	18 2 52
	JULY .	17 23 0	17 11 9
	AUG. .	16 11 44	15 21 46
	SEPT. .	15 0 28	14 11 22
	OCT. .	14 13 12	14 3 59
	NOV. .	13 1 56	12 22 47
	DEC. .	12 14 40	12 18 23
1248. A.	JAN. .	11 3 24	11 13 3
	FEB. .	9 16 8	10 5 21
	MAR. .	11 4 52	11 18 33
1 19 58	APRIL	9 17 36	10 5 7
	MAY .	9 6 20	9 13 3
	JUNE .	7 19 4	7 20 1
	JULY .	7 7 48	7 2 54
	AUG. .	5 20 32	5 10 49
	SEPT. .	4 9 16	3 20 39
	OCT. .	3 22 0	3 9 4
	NOV. .	2 10 44	2 0 17
	DEC. .	1 23 28	1 17 48
		31 12 12	31 12 33

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1247. G.	JAN. .	30 0 56	30 7 17
	FEB. .	28 13 41	28 23 55
April. *d. h. m.*	MAR. .	30 2 25	30 14 51
2 1 42	APRIL	28 15 9	29 2 35
	MAY .	28 3 53	28 11 57
	JUNE .	26 16 37	26 19 54
	JULY .	26 5 21	26 3 30
	AUG. .	24 18 5	24 11 44
	SEPT. .	23 6 49	22 21 22
	OCT. .	22 19 33	22 8 53
	NOV. .	21 8 17	20 22 30
	DEC. .	20 21 1	20 14 6
1246. F.	JAN. .	19 9 45	19 7 5
	FEB. .	17 22 29	18 0 36
	MAR. .	19 11 14	19 17 34
2 7 31	APRIL	17 23 58	18 8 58
	MAY .	17 12 42	17 22 17
	JUNE .	16 1 26	16 9 31
	JULY .	15 14 10	15 19 12
	AUG. .	14 2 54	14 4 13
	SEPT. .	12 15 38	12 13 23
	OCT. .	12 4 22	11 23 18
	NOV. .	10 17 6	10 10 18
	DEC. .	10 5 50	9 22 29
1245. E.D.	JAN. .	8 18 34	8 11 55
	FEB. .	7 7 18	7 2 27
	MAR. .	7 20 2	7 17 56
1 13 20	APRIL	6 8 46	6 9 49
	MAY .	5 21 30	6 1 27
	JUNE .	4 10 14	4 16 10
	JULY .	3 22 58	4 5 30
	AUG. .	2 11 42	2 17 29
	SEPT. .	1 0 26	1 4 33
		30 13 10	30 15 12
	OCT. .	30 1 54	30 1 51
	NOV. .	28 14 38	28 12 40
	DEC. .	28 3 22	27 23 44

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1244. C. April. d. h. m. 1 19 8	JAN. .	26 16 6	26 11 8	B.C. 1241. G.F. April. d. h. m. 1 12 35	JAN. .	24 7 16	24 18 54
	FEB. .	25 4 50	24 23 9		FEB. .	22 20 0	23 4 52
	MAR. .	26 17 35	26 12 8		MAR. .	23 8 45	23 13 4
	APRIL	25 6 19	25 2 13		APRIL	21 21 29	21 20 15
	MAY .	24 19 3	24 17 15		MAY .	21 10 13	21 8 28
	JUNE .	23 7 47	23 8 46		JUNE .	19 22 57	19 11 48
	JULY .	22 20 31	22 23 58		JULY .	19 11 41	18 22 21
	AUG. .	21 9 15	21 14 28		AUG. .	18 0 25	17 11 45
	SEPT. .	19 21 59	20 4 0		SEPT. .	16 13 9	16 4 6
	OCT. .	19 10 43	19 14 36		OCT. .	16 1 53	15 22 39
	NOV. .	17 23 27	18 4 22		NOV. .	14 14 37	14 18 4
	DEC. .	17 12 11	17 15 21		DEC. .	14 3 21	14 12 42
1243. B. 2 0 57	JAN. .	16 0 55	16 1 38	1240. E. 1 18 24	JAN. .	12 16 5	13 5 6
	FEB. .	14 13 39	14 11 25		FEB. .	11 4 49	11 18 34
	MAR. .	16 2 23	15 21 14		MAR. .	12 17 33	13 5 8
	APRIL	14 15 7	14 7 44		APRIL	11 6 17	11 13 25
	MAY .	14 8 51	13 19 40		MAY .	10 19 1	10 20 21
	JUNE .	12 16 35	12 9 24		JUNE .	9 7 45	9 3 1
	JULY .	12 5 19	12 0 50		JULY .	8 20 29	8 10 32
	AUG. .	10 18 3	10 17 19		AUG. .	7 9 13	6 19 55
	SEPT. .	9 6 47	9 10 3		SEPT. .	5 21 57	5 8 5
	OCT. .	8 19 31	9 2 8		OCT. .	5 10 41	4 23 18
	NOV. .	7 8 15	7 16 58		NOV. .	3 23 25	3 17 11
	DEC. .	6 20 59	7 6 10		DEC. .	3 12 9	3 12 36
1242. A. 2 6 46	JAN. .	5 9 43	5 17 38	1239. D. 2 0 13	JAN. .	2 0 53 31 13 37	2 7 52 ...
	FEB. .	3 22 27	4 3 32		FEB. .	...	1 1 23
	MAR. .	5 11 12	5 12 15		MAR. .	2 2 22 31 15 6	2 16 9
	APRIL	3 23 56	3 20 24		APRIL	30 3 50	1 3 49 30 12 53
	MAY .	3 12 40	3 4 55		MAY .	29 16 34	29 20 17
	JUNE .	2 1 24	1 14 48		JUNE .	28 5 18	28 3 10
	JULY .	1 14 8 31 2 52	1 2 53 30 17 31		JULY	27 18 2	27 10 35
	AUG. .	29 15 36	29 10 33		AUG. .	26 6 46	25 19 30
	SEPT. .	28 4 20	28 4 33		SEPT. .	24 19 30	24 5 40
	OCT. .	27 17 4	27 22 46		OCT. .	24 8 14	23 20 30
	NOV. .	26 5 48	26 15 45		NOV. .	22 20 58	22 12 55
	DEC. .	25 18 32	26 6 35		DEC. .	22 9 42	22 7 8

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1238. C. April. d. h. m. 2 6 1	JAN. .	20 22 26	21 1 52	B.C. 1235. F. April. d. h. m. 1 28 28	JAN. .	17 18 36	17 9 38
	FEB. .	19 11 10	19 19 43		FEB. .	16 2 20	15 21 1
	MAR. .	20 28 55	21 11 29		MAR. .	17 15 5	17 9 10
	APRIL	19 12 39	20 0 33		APRIL	16 8 49	15 22 26
	MAY .	19 1 28	19 11 4		MAY .	15 16 33	15 12 54
	JUNE .	17 14 7	17 19 43		JUNE .	14 5 17	14 4 13
	JULY .	17 2 51	17 3 31		JULY .	13 18 1	13 19 47
	AUG. .	15 15 35	15 11 32		AUG. .	12 6 45	12 10 58
	SEPT. .	14 4 19	13 20 33		SEPT. .	10 19 29	11 1 19
	OCT. .	13 17 3	13 7 11		OCT. .	10 8 13	10 14 40
	NOV. .	12 5 47	11 19 46		NOV. .	8 20 57	9 3 0
	DEC. .	11 18 31	11 10 17		DEC. .	8 9 41	8 14 24
1237. B. A.	JAN. .	10 7 15	10 2 26	1234. E.	JAN. .	6 22 25	7 0 57
	FEB. .	8 19 59	8 19 33		FEB. .	5 11 9	5 10 45
	MAR. .	9 8 43	9 12 41		MAR. .	6 28 58	6 20 13
1 11 50	APRIL	7 21 27	8 4 50	2 5 17	APRIL	5 12 37	5 6 1
	MAY .	7 10 11	7 19 14		MAY .	5 1 21	4 16 57
	JUNE .	5 22 55	6 7 36		JUNE .	3 14 5	3 5 38
	JULY .	5 11 39	5 18 9		JULY .	3 2 49	2 20 15
	AUG. .	4 0 23	4 3 38		AUG. .	1 15 33 31 4 17	1 12 26 31 5 12
	SEPT. .	2 13 7	2 12 52		SEPT. .	29 17 1	29 22 0
	OCT. .	2 1 51 31 14 35	1 22 33 31 9 6		OCT. .	29 5 45	29 13 55
	NOV. .	30 3 19	29 20 39		NOV. .	27 18 29	28 4 7
	DEC. .	29 16 3	29 9 17		DEC. .	27 7 13	27 16 28
1236. G.	JAN. .	28 4 47	27 23 1	1233. D.C.	JAN. .	25 19 57	26 3 1
	FEB. .	26 17 31	26 13 45		FEB. .	24 8 41	24 12 5
	MAR. .	28 6 16	28 5 15		MAR. .	24 21 26	24 20 13
1 17 39	APRIL	26 19 0	26 20 59	1 11 6	APRIL	23 10 10	23 4 15
	MAY .	26 7 44	26 12 14		MAY .	22 22 54	22 13 10
	JUNE .	24 20 28	25 2 24		JUNE .	21 11 38	21 0 0
	JULY .	24 9 12	24 15 18		JULY .	21 0 22	20 13 22
	AUG. .	22 21 56	23 3 2		AUG. .	19 13 6	19 5 17
	SEPT. .	21 10 40	21 14 6		SEPT. .	18 1 50	17 23 7
	OCT. .	20 23 24	21 0 56		OCT. .	17 14 34	17 17 41
	NOV. .	19 12 8	19 11 43		NOV. .	16 3 18	16 11 37
	DEC. .	19 0 52	18 22 37		DEC. .	15 16 2	16 3 41

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1232. B. April. d. h. m. 1 16 54	JAN. .	14 4 46	14 17 16	B.C. 1229. F.E. April. d. h. m. 1 10 21	JAN. .	11 19 56	11 20 23
	FEB. .	12 17 30	13 4 16		FEB. .	10 8 40	10 14 39
	MAR. .	14 6 15	14 13 7		MAR. .	10 21 24	11 7 26
	APRIL	12 18 59	12 20 32		APRIL	9 10 8	9 21 51
	MAY .	12 7 43	12 3 30		MAY .	8 22 52	9 9 36
	JUNE .	10 20 27	10 11 5		JUNE .	7 11 36	7 19 10
	JULY .	10 9 11	9 20 24		JULY .	7 0 20	7 3 26
	AUG. .	8 21 55	8 8 21		AUG. .	5 13 4	5 11 25
	SEPT. .	7 10 39	6 23 20		SEPT. .	4 1 48	3 20 1
	OCT. .	6 23 23	6 17 2		OCT. .	3 14 32	3 5 57
	NOV. .	5 12 7	5 12 20		NOV. .	2 3 16	1 17 34
	DEC. .	5 0 51	5 7 37		DEC. .	1 16 0 31 4 44	1 7 3 30 22 15
1231. A. 1 22 48	JAN. .	3 13 35	4 1 15	1228. D. 1 16 10	JAN. .	29 17 28	29 14 43
	FEB. .	2 2 19	2 16 12		FEB. .	28 6 13	28 7 43
	MAR. .	3 15 3	4 4 6		MAR. .	29 18 57	30 0 19
	APRIL	2 3 47	2 13 20		APRIL	28 7 41	28 15 37
	MAY .	1 16 31 31 5 15	1 20 43 31 3 22		MAY .	27 20 25	28 5 4
	JUNE .	29 17 59	29 10 22		JUNE .	26 9 9	26 16 38
	JULY .	29 6 43	28 18 46		JULY .	25 21 53	26 2 47
	AUG. .	27 19 27	27 5 33		AUG. .	24 10 37	24 12 17
	SEPT. .	26 8 11	25 19 17		SEPT. .	22 23 21	22 21 54
	OCT. .	25 20 55	25 11 59		OCT. .	22 12 5	22 8 6
	NOV. .	24 9 39	24 6 48		NOV. .	21 0 49	20 19 11
	DEC. .	23 22 23	24 2 17		DEC. .	20 13 33	20 7 10
1230. G. 2 4 32	JAN. .	22 11 7	22 20 45	1227. C. 1 21 59	JAN. .	19 2 17	18 20 6
	FEB. .	20 23 51	21 12 54		FEB. .	17 15 1	17 10 3
	MAR. .	22 12 36	23 2 3		MAR. .	19 3 46	19 0 56
	APRIL	21 1 20	21 12 17		APRIL	17 16 30	17 16 26
	MAY .	20 14 4	20 20 25		MAY .	17 5 14	17 7 57
	JUNE .	19 2 48	19 3 30		JUNE .	15 17 58	15 22 48
	JULY .	18 15 32	18 10 37		JULY .	15 6 42	15 12 32
	AUG. .	17 4 16	16 18 48		AUG. .	13 19 26	14 1 6
	SEPT. .	15 17 0	15 4 54		SEPT. .	12 8 10	12 12 45
	OCT. .	15 5 44	14 17 26		OCT. .	11 20 54	11 23 51
	NOV. .	13 18 28	13 8 36		NOV. .	10 9 38	10 10 47
	DEC. .	13 7 12	13 1 54		DEC. .	9 22 22	9 21 38

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1226. B. April. *d. h. m.* 2 3 47	JAN. .	8 11 6	8 8 25	B.C. 1223. E. April. *d. h. m.* 1 21 14	JAN. .	5 2 16	5 15 0
	FEB. .	6 23 50	6 19 20		FEB. .	3 15 0	4 3 12
	MAR. .	8 12 34	8 6 44		MAR. .	5 3 44	5 12 54
	APRIL	7 1 18	6 19 8		APRIL	3 16 23	3 20 47
	MAY .	6 14 2	6 8 49		MAY .	3 5 12	3 3 44
	JUNE .	5 2 46	4 23 43		JUNE .	1 17 56	1 10 48 30 19 6
	JULY .	4 15 30	4 15 19		JULY .	1 6 40 30 19 24	30 5 41
	AUG. .	3 4 14	3 6 59		AUG. .	29 8 8	28 18 13
	SEPT. .	1 16 58	1 22 4		SEPT. .	27 20 52	27 11 47
	OCT. .	1 5 42 30 18 26	1 12 13 31 1 17		OCT. .	27 9 36	27 6 32
	NOV. .	29 7 10	29 13 15		NOV. .	25 22 20	26 2 5
	DEC. .	28 19 54	29 0 12		DEC. .	25 11 4	25 20 43
1225. A.G. 1 9 36	JAN. .	27 8 38	27 10 10	1222. D. 2 3 3	JAN. .	23 23 48	24 13 4
	FEB. .	25 21 22	25 19 30		FEB. .	22 12 32	23 2 24
	MAR. .	26 10 7	26 4 48		MAR. .	24 1 17	24 12 49
	APRIL	24 22 51	24 14 51		APRIL	22 14 1	22 20 57
	MAY .	24 11 35	24 2 25		MAY .	22 2 45	22 3 49
	JUNE .	23 0 19	22 16 2		JUNE .	20 15 29	20 10 31
	JULY .	22 13 3	22 7 35		JULY .	20 4 13	19 18 9
	AUG. .	21 1 47	21 0 26		AUG. .	18 16 57	18 3 44
	SEPT. .	19 14 31	19 17 41		SEPT. .	17 5 41	16 16 2
	OCT. .	19 3 15	19 10 19		OCT. .	16 18 25	16 7 21
	NOV. .	17 15 59	18 1 33		NOV. .	15 7 9	15 1 14
	DEC. .	17 4 43	17 14 54		DEC. .	14 19 53	14 20 31
1224. F. 1 15 25	JAN. .	15 17 27	16 2 16	1221. C.B. 1 8 52	JAN. .	13 8 37	13 15 36
	FEB. .	14 6 11	14 11 51		FEB. .	11 21 21	12 8 56
	MAR. .	15 18 56	15 20 10		MAR. .	12 10 6	12 23 33
	APRIL	14 7 40	14 3 56		APRIL	10 22 50	11 11 8
	MAY .	13 20 24	13 12 8		MAY .	10 11 34	10 20 12
	JUNE .	12 9 8	11 21 48		JUNE .	9 0 18	9 3 44
	JULY .	11 21 52	11 9 49		JULY .	8 13 2	8 10 48
	AUG. .	10 10 36	10 0 35		AUG. .	7 1 46	6 18 30
	SEPT. .	8 23 20	8 17 43		SEPT. .	5 14 30	5 3 42
	OCT. .	8 12 4	8 12 18		OCT. .	5 3 14	4 15 3
	NOV. .	7 0 48	7 6 53		NOV. .	3 15 58	3 4 56
	DEC. .	6 13 32	7 0 7		DEC. .	3 4 42	2 21 8

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1220. A.	JAN. .	1 17 26 31 6 10	1 15 1 31 9 21
	FEB. .	...	...
April. *d. h. m.* 1 14 40	MAR. .	1 18 54 31 7 38	2 2 51 31 18 27
	APRIL	29 20 22	30 7 30
	MAY .	29 9 6	29 18 10
	JUNE .	27 21 50	28 3 7
	JULY .	27 10 31	27 11 17
	AUG. .	25 23 18	25 19 41
	SEPT. .	24 12 2	24 5 4
	OCT. .	24 0 46	23 15 53
	NOV. .	22 13 30	22 4 26
	DEC. .	22 2 14	21 18 39
1219. G.	JAN. .	20 14 58	20 10 17
	FEB. .	19 3 42	19 2 51
	MAR. .	20 16 27	20 19 36
1 20 29	APRIL	19 5 11	19 11 30
	MAY .	18 17 55	19 1 55
	JUNE .	17 6 39	17 14 31
	JULY .	16 19 23	17 1 31
	AUG. .	15 8 7	15 11 31
	SEPT. .	13 20 51	13 21 14
	OCT. .	13 9 35	13 7 18
	NOV. .	11 22 19	11 13 0
	DEC. .	11 11 3	11 5 28
1218. F.	JAN. .	9 23 47	9 17 43
	FEB. .	8 12 31	8 6 52
	MAR. .	10 1 16	9 21 0
2 2 18	APRIL	8 14 0	8 12 1
	MAY .	8 2 44	8 3 27
	JUNE .	6 15 28	6 18 45
	JULY .	6 4 12	6 9 14
	AUG. .	4 16 56	4 22 39
	SEPT. .	3 5 40	3 11 1
	OCT. .	2 13 24	2 22 36
	NOV. .	1 7 8 30 19 52	1 9 47 30 20 43
	DEC. .	30 8 36	30 7 26

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	*d. h. m.*
B.C. 1217. E.D.	JAN. .	28 21 20	28 18 1
	FEB. .	27 10 4	27 4 50
April. *d. h. m.* 1 8 6	MAR. .	27 22 48	27 16 24
	APRIL	26 11 32	26 5 11
	MAY .	26 0 16	25 19 23
	JUNE .	24 13 0	24 10 43
	JULY .	24 1 44	24 2 36
	AUG. .	22 14 28	22 18 19
	SEPT. .	21 3 12	21 9 17
	OCT. .	20 15 56	20 23 9
	NOV. .	19 4 40	19 11 50
	DEC. .	18 17 24	18 23 18
1216. C.	JAN. .	17 6 8	17 9 36
	FEB. .	15 18 52	15 19 1
	MAR. .	17 7 37	17 3 58
1 13 55	APRIL	15 20 21	15 13 18
	MAY .	15 9 5	14 23 50
	JUNE .	13 21 49	13 12 18
	JULY .	13 10 33	13 2 56
	AUG. .	11 23 17	11 19 23
	SEPT. .	10 12 1	10 12 50
	OCT. .	10 0 45	10 6 10
	NOV. .	8 13 29	8 22 23
	DEC. .	8 2 13	8 12 48
1215. B.	JAN. .	6 14 57	7 1 8
	FEB. .	5 3 41	5 11 27
	MAR. .	6 16 25	6 20 7
1 19 44	APRIL	5 5 9	5 3 52
	MAY .	4 17 53	4 11 33
	JUNE .	3 6 37	2 20 16
	JULY .	2 19 21	2 6 59 31 20 23
	AUG. .	1 8 5 30 20 49	30 12 32
	SEPT. .	29 9 33	29 6 43
	OCT. .	28 22 17	29 1 39
	NOV. .	27 11 1	27 19 51
	DEC. .	26 23 45	27 12 3

Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.	Mean Vernal Equinox.	Month.	Mean New Moon.	True New Moon.
		d. h. m.	d. h. m.			d. h. m.	d. h. m.
B.C. 1214. A. April. d. h. m. 2 1 33	JAN. .	25 12 29	26 1 33	B.C. 1211. D. April. d. h. m. 1 18 59	JAN. .	22 3 39	22 3 59
	FEB. .	24 1 13	24 12 20		FEB. .	20 16 23	20 21 53
	MAR. .	25 18 58	25 20 54		MAR. .	22 5 8	22 14 25
	APRIL	24 2 42	24 4 5		APRIL	20 17 52	21 4 44
	MAY .	23 15 26	23 10 52		MAY .	20 6 36	20 16 36
	JUNE .	22 4 10	21 18 25		JUNE .	18 19 20	19 2 27
	JULY .	21 16 54	21 3 46		JULY .	18 8 4	18 11 3
	AUG. .	20 5 38	19 15 49		AUG. .	16 20 48	16 19 26
	SEPT. .	18 18 22	18 6 59		SEPT. .	15 9 32	15 4 26
	OCT. .	18 7 6	18 0 52		OCT. .	14 22 16	14 14 38
	NOV. .	16 19 50	16 20 18		NOV. .	13 11 0	13 2 20
	DEC. .	16 3 34	16 15 36		DEC. .	12 23 44	12 15 36
1213. G.F. 1 7 22	JAN. .	14 21 18	15 9 13	1210. C. 2 0 48	JAN. .	11 12 28	11 6 21
	FEB. .	13 10 2	14 0 2		FEB. .	10 1 12	9 22 15
	MAR. .	13 22 47	14 11 47		MAR. .	11 13 57	11 14 45
	APRIL	12 11 31	12 20 52		APRIL	10 2 41	10 7 0
	MAY .	12 0 15	12 4 11		MAY .	9 15 25	9 22 13
	JUNE .	10 12 59	10 10 51		JUNE .	8 4 9	8 11 49
	JULY .	10 1 43	9 17 57		JULY .	7 16 53	7 23 47
	AUG. .	8 14 27	8 2 32		AUG. .	6 5 37	6 10 27
	SEPT. .	7 3 11	6 13 30		SEPT. .	4 18 21	4 20 29
	OCT. .	6 15 55	6 3 24		OCT. .	4 7 5	4 6 33
	NOV. .	5 4 39	4 20 5		NOV. .	2 19 49	2 17 2
	DEC. .	4 17 23	4 14 48		DEC. .	2 8 33 31 21 17	2 4 6 31 15 48
1212. E. 1 13 11	JAN. .	3 6 7	3 10 5	1209. B.A. 1 6 37	JAN. .	30 10 1	30 4 13
	FEB. .	1 18 51	2 4 20		FEB. .	28 22 45	28 17 33
	MAR. .	3 7 35	3 20 18		MAR. .	29 11 29	29 7 51
	APRIL	1 20 19	2 9 18		APRIL	28 0 13	27 22 58
	MAY .	1 9 3 30 21 47	1 19 32 31 3 45		MAY .	27 12 57	27 14 22
	JUNE .	29 10 31	29 11 1		JUNE .	26 1 41	26 5 26
	JULY .	28 23 15	28 18 26		JULY .	25 14 25	25 19 38
	AUG. .	27 11 59	27 2 55		AUG. .	24 3 9	24 8 47
	SEPT. .	26 0 43	25 13 15		SEPT. .	22 15 53	22 21 2
	OCT. .	25 13 27	25 1 54		OCT. .	22 4 37	22 8 37
	NOV. .	24 2 11	23 16 57		NOV. .	20 17 21	20 19 45
	DEC. .	23 14 55	23 9 56		DEC. .	20 6 5	20 6 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1208. G. April. *d. h. m.* 1 12 26	JAN.	18 18 49	18 17 0
	FEB.	17 7 33	17 3 23
	MAR.	18 20 18	18 14 14
	APRIL	17 9 2	17 2 5
	MAY	16 21 46	16 15 25
	JUNE	15 10 30	15 6 11
	JULY	14 23 14	14 21 59
	AUG.	13 11 58	13 14 7
	SEPT.	12 0 42	12 5 48
	OCT.	11 13 26	11 20 32
	NOV.	10 2 10	10 10 1
	DEC.	9 14 54	9 22 9
1207. F. 1 18 15	JAN.	8 3 38	8 8 57
	FEB.	6 16 22	6 18 36
	MAR.	8 5 7	8 3 29
	APRIL	6 17 51	6 12 16
	○	21 12 13	22 0 1
	MAY	6 6 35	5 21 54
	JUNE	4 19 19	4 9 12
	JULY	4 8 3	3 22 44
	AUG.	2 20 47	2 14 26
	SEPT.	1 9 31	1 11 19
		30 22 15	1 1 28
	○	15 16 37	15 6 49
	OCT.	30 10 59	30 18 35
	NOV.	28 23 43	29 10 7
	DEC.	28 12 27	28 23 33
1206. E. 2 0 4	JAN.	27 1 11	27 10 45
	FEB.	25 13 55	25 20 1
	MAR.	27 2 39	27 3 57
	○	10 21 1	11 4 24
	APRIL	25 15 23	25 11 23
	MAY	25 4 7	24 19 19
	JUNE	23 16 51	23 4 52
	JULY	23 5 35	22 16 54
	AUG.	21 18 19	21 5 47
	SEPT.	20 7 3	20 1 12
	○	5 1 25	4 22 7
	OCT.	19 19 47	19 20 6
	NOV.	18 8 31	18 14 59
	DEC.	17 21 15	18 3 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1205. D.C. April. *d. h. m.* 1 5 52	JAN.	16 9 59	16 23 16
	FEB.	14 22 43	15 11 18
	MAR.	15 11 28	15 20 47
	○	30 5 50	30 4 50
	APRIL	14 0 12	14 4 25
	MAY	13 12 56	13 11 11
	JUNE	12 1 40	11 18 11
	JULY	11 14 24	11 2 31
	AUG.	10 3 8	9 13 12
	SEPT.	8 15 52	8 2 53
	○	23 10 14	23 13 40
	OCT.	8 4 36	7 19 34
	NOV.	6 17 20	6 14 27
	DEC.	6 6 4	6 10 3
1204. 1 11 41	JAN.	4 18 48	5 4 40
	FEB.	3 7 32	3 20 55
	MAR.	4 20 17	5 10 7
	APRIL	3 9 1	3 20 21
	MAY	2 21 45	3 4 24
	JUNE	1 10 29	1 11 15
		30 23 13	30 18 3
	JULY	30 11 57	30 1 52
	AUG.	29 0 41	28 11 41
	SEPT.	27 13 25	27 0 9
	OCT.	27 2 9	26 15 31
	NOV.	25 14 58	25 9 19
	DEC.	25 3 37	25 4 23
1203. A. 1 17 30	JAN.	23 16 21	23 23 13
	○	7 10 43	7 10 16
	FEB.	22 5 5	22 16 20
	MAR.	23 17 49	24 6 46
	APRIL	22 6 33	22 18 9
	MAY	21 19 17	22 3 28
	JUNE	20 8 1	20 11 10
	JULY	19 20 45	19 18 32
	○	3 15 7	3 12 3
	AUG.	18 9 29	18 2 31
	SEPT.	16 22 13	16 12 1
	OCT.	16 10 57	15 23 34
	NOV.	14 23 41	14 13 23
	DEC.	14 12 25	14 5 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1202. G.	JAN. .	13 1 9	12 22 47
	○	27 19 31	28 2 38
April. *d. h. m.* 1 23 19	FEB. .	11 13 58	11 16 43
	MAR. .	13 2 38	13 9 53
	APRIL	11 15 22	12 1 16
	MAY .	11 4 6	11 14 23
	JUNE .	9 16 50	10 1 16
	JULY .	9 5 34	9 10 33
	○	23 23 56	23 12 55
	AUG. .	7 18 18	7 19 10
	SEPT. .	6 7 2	6 3 59
	OCT. .	5 19 46	5 13 43
	NOV. .	4 8 30	4 0 43
	DEC. .	3 21 14	3 13 8
1201. P.E.	JAN. ○	2 9 58	2 2 58
		17 4 20	17 16 53
		31 22 42	31 18 4
	FEB. .	...	...
	MAR. .	1 11 26	1 10 3
		31 0 10	31 2 18
1 5 8	APRIL	29 12 54	29 18 1
	MAY .	29 1 38	29 8 33
	JUNE .	27 14 22	27 21 28
	○	12 8 44	11 19 50
	JULY .	27 3 6	27 8 57
	AUG. .	25 15 50	25 19 30
	SEPT. .	24 4 34	24 5 44
	OCT. .	23 17 18	23 16 8
	NOV. .	22 6 2	22 2 58
	DEC. .	21 18 46	21 14 14
1200. D.	JAN. .	20 7 30	20 2 3
	FEB. .	18 20 14	18 14 36
	MAR. .	20 8 59	20 4 9
1 10 57	APRIL	18 21 43	18 18 40
	MAY .	18 10 27	18 9 58
	JUNE .	16 23 11	17 1 15
	JULY .	16 11 55	16 16 8
	AUG. .	15 0 39	15 6 5
	SEPT. .	13 13 23	13 19 3
	OCT. .	13 2 7	13 7 12
	NOV. .	11 14 51	11 18 42
	○	26 9 13	26 6 36
	DEC. .	11 3 35	11 5 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1199. C.	JAN. .	9 16 19	9 16 8
	FEB. .	8 5 3	8 2 17
April. *d. h. m.* 1 16 46	MAR. .	9 17 48	9 12 34
	APRIL	8 6 32	7 23 34
	MAY .	7 19 16	7 11 55
	○	22 13 38	22 19 47
	JUNE .	6 8 0	6 1 54
	JULY .	5 20 44	5 17 19
	AUG. .	4 9 28	4 9 34
	SEPT. .	2 22 12	3 1 49
	OCT. .	2 10 56	2 17 22
		31 23 40	1 7 45
	○	15 18 2	15 8 21
	NOV. .	30 12 24	30 20 41
	DEC. .	30 1 8	30 8 7
1198. B.	JAN. .	28 13 52	28 18 9
	FEB. .	27 2 36	27 3 7
	MAR. .	28 15 20	28 11 37
1 22 35	APRIL	27 4 4	26 20 31
	○	11 22 26	12 9 1
	MAY .	26 16 48	26 6 44
	JUNE .	25 5 32	24 19 3
	JULY .	24 18 16	24 9 46
	AUG. .	23 7 0	23 2 30
	SEPT. .	21 19 44	21 20 23
	OCT. .	21 8 28	21 14 11
	○	5 2 50	4 17 13
	NOV. .	19 21 12	20 6 48
	DEC. .	19 9 56	19 21 24
1197. A.G.	JAN. .	17 22 40	18 9 39
	FEB. .	16 11 24	16 19 42
	MAR. .	17 0 9	17 4 4
1 4 24	APRIL	15 12 53	15 11 28
	MAY .	15 1 37	14 18 53
	JUNE .	13 14 21	13 3 25
	JULY .	13 3 5	12 14 6
	AUG. .	11 15 49	11 3 37
	SEPT. .	10 4 33	9 19 38
	OCT. .	9 17 17	9 14 26
	NOV. .	8 6 1	8 9 39
	DEC. .	7 18 45	8 4 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1196. F.	JAN.	6 7 30	6 20 21
	FEB.	4 20 14	5 9 42
April. *d. h. m.* 1 10 13	MAR.	6 8 58	6 20 17
	○	21 8 20	21 0 31
	APRIL	4 21 42	5 4 36
	MAY	4 10 26	4 11 35
	JUNE	2 23 10	2 18 17
	JULY	2 11 54	2 1 50
	AUG.	1 0 38	31 11 16
		30 13 22	29 23 29
	○	14 7 44	14 12 18
	SEPT.	29 2 6	28 14 49
	OCT.	28 14 50	28 8 47
	NOV.	27 3 34	27 4 15
	DEC.	26 16 18	26 23 33
1195. E.	JAN.	25 5 2	25 17 4
	FEB.	23 17 46	24 7 43
	○	10 12 8	10 6 16
	MAR.	25 6 30	25 19 18
1 16 2	APRIL	23 19 14	24 4 17
	MAY	23 7 58	23 11 36
	JUNE	21 20 42	21 18 20
	JULY	21 9 26	21 1 37
	AUG.	19 22 10	19 10 26
	○	3 16 32	3 21 42
	SEPT.	18 10 54	17 21 37
	OCT.	17 23 38	17 11 36
	NOV.	16 12 22	16 4 15
	DEC.	16 1 6	15 22 44
1194. D.	JAN.	14 13 50	14 17 46
	FEB.	13 2 34	13 11 45
	○	27 20 56	27 18 58
	MAR.	14 15 19	15 3 30
1 21 50	APRIL	13 4 3	13 16 26
	MAY	12 16 47	13 2 43
	JUNE	11 5 31	11 11 7
	JULY	10 13 15	10 13 38
	AUG.	9 6 59	9 2 22
	○	24 1 21	24 0 7
	SEPT.	7 19 43	7 11 12
	OCT.	7 8 27	6 21 47
	NOV.	5 21 11	5 7 29
	DEC.	5 9 55	5 1 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1193. C.E.	JAN.	3 22 39	3 17 57
	FEB.	2 11 23	2 11 31
April. *d. h. m.* 1 3 39	MAR.	3 0 8	3 4 59
	APRIL	1 12 52	1 21 15
	MAY	1 1 36	1 11 31
		30 14 20	30 23 33
	JUNE	29 3 4	29 9 42
	JULY	28 15 48	28 18 45
	AUG.	27 4 32	27 3 37
	SEPT.	25 17 16	25 13 2
	OCT.	25 6 0	24 23 27
	NOV.	23 18 44	23 11 9
	DEC.	23 7 28	23 0 7
	○	7 1 50	7 14 39
1192. A.	JAN.	21 20 12	21 14 23
	FEB.	20 8 56	20 5 41
	MAR.	21 21 40	21 21 37
1 9 28	APRIL	20 10 24	20 13 33
	MAY	19 23 8	20 4 44
	JUNE	18 11 52	18 18 36
	○	3 6 14	2 18 31
	JULY	18 0 36	18 7 0
	AUG.	16 13 20	16 18 13
	SEPT.	15 2 4	15 4 48
	OCT.	14 14 48	14 15 17
	NOV.	13 3 32	13 1 59
	DEC.	12 16 16	12 12 58
	○	27 10 38	27 20 29
1191. G.	JAN.	11 5 0	11 0 20
	FEB.	9 17 41	9 12 13
	MAR.	11 6 29	11 0 55
1 15 17	APRIL	9 19 13	9 14 42
	MAY	8 7 57	9 5 27
	JUNE	7 20 41	7 20 48
	○	22 15 8	22 9 52
	JULY	7 9 25	7 12 9
	AUG.	5 22 9	6 2 51
	SEPT.	4 10 53	4 16 38
	OCT.	3 23 37	4 5 26
	NOV.	2 12 21	2 17 26
	DEC. ○	2 1 5	2 4 43
		16 19 27	16 20 18
		31 13 49	31 15 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1190. F. April. d. h. m. 1 21 6	JAN.	30 2 33	30 1 26
	FEB.	28 15 17	28 11 19
	MAR.	30 4 1	29 21 36
	APRIL	28 16 45	28 8 58
	MAY	28 5 29	27 21 59
	○	11 23 51	12 3 5
	JUNE	26 18 13	26 12 44
	JULY	26 6 57	26 4 47
	AUG.	24 19 41	24 21 21
	SEPT.	23 8 25	23 13 38
	OCT.	22 21 9	23 4 55
	NOV.	21 9 53	21 18 45
	DEC.	20 22 37	21 6 58
1189. E.D. 1 2 55	JAN.	19 11 21	19 17 35
	FEB.	18 0 5	18 2 51
	MAR.	18 12 50	18 11 18
	APRIL	17 1 34	16 19 40
	○	1 19 56	2 6 58
	MAY	16 14 18	16 4 56
	JUNE	15 3 2	14 16 2
	JULY	14 15 46	14 5 33
	AUG.	13 4 30	12 21 26
	SEPT.	11 17 14	11 15 5
	OCT.	11 5 58	11 9 19
	○	26 0 20	25 15 32
	NOV.	9 18 42	10 2 51
	DEC.	9 7 26	9 18 37
1188. 1 8 43	JAN.	7 20 10	8 8 4
	FEB.	6 8 54	6 19 4
	MAR.	7 21 39	8 4 4
	APRIL	6 10 23	6 11 39
	○	21 4 45	21 11 2
	MAY	5 23 7	5 18 48
	JUNE	4 11 51	4 2 34
	JULY	4 0 35	3 12 2
	AUG.	2 13 19	2 0 6
	SEPT.	1 2 3	31 15 10
		30 14 47	30 8 50
	○	15 9 9	15 6 54
	OCT.	30 3 31	30 4 0
	NOV.	28 16 15	28 23 7
	DEC.	28 4 59	28 16 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1187. B. April. d. h. m. 1 14 32	JAN.	26 17 43	27 7 25
	FEB.	25 6 27	25 19 16
	MAR.	26 19 11	27 4 30
	○	10 13 33	10 11 33
	APRIL	25 7 55	25 11 57
	MAY	24 20 39	24 18 37
	JUNE	23 9 23	23 1 35
	JULY	22 22 7	22 10 1
	AUG.	21 10 51	20 20 51
	SEPT.	19 23 35	19 10 40
	○	4 17 57	4 22 12
	OCT.	19 12 19	19 3 29
	NOV.	18 1 3	17 22 24
	DEC.	17 13 47	17 17 59
1186. A. 1 20 21	JAN.	16 2 31	16 12 30
	FEB.	14 15 15	15 4 35
	MAR.	16 4 0	16 17 38
	APRIL	14 16 44	15 3 46
	MAY	14 5 28	14 11 47
	JUNE	12 18 12	12 18 42
	JULY	12 6 56	12 1 41
	AUG.	10 19 40	10 9 44
	SEPT.	9 8 24	8 19 47
	OCT.	8 21 8	8 8 23
	NOV.	7 9 52	6 23 45
	DEC.	6 22 36	6 17 23
1185. G.F. 1 2 10	JAN.	5 11 20	5 12 1
	FEB.	4 0 4	4 6 41
	○	18 18 26	18 18 29
	MAR.	4 12 49	4 23 34
	APRIL	3 1 33	3 13 52
	MAY	2 14 17	3 1 26
	JUNE	1 3 1	1 10 42
		30 15 45	30 18 40
	JULY	30 4 29	30 2 21
	○	13 22 51	13 18 3
	AUG.	28 17 13	28 10 43
	SEPT.	27 5 57	26 20 31
	OCT.	26 18 41	26 8 11
	NOV.	25 7 25	24 21 56
	DEC.	24 20 9	24 13 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1184. E.	JAN. .	23 8 53	23 6 31
	○	7 8 15	7 10 57
April. *d. h. m.*	FEB. .	21 21 37	21 23 56
1 7 58	MAR. .	23 10 21	23 16 43
	APRIL	21 23 5	22 8 0
	MAY .	21 11 49	21 21 11
	JUNE .	20 0 33	20 8 22
	JULY .	19 13 17	19 18 5
	○	3 7 39	2 19 58
	AUG. .	18 2 1	18 3 9
	SEPT. .	16 14 45	16 14 26
	OCT. .	16 3 29	15 22 29
	NOV. .	14 16 13	14 9 35
	DEC. .	14 4 57	13 21 49
1183. D.	JAN. .	12 17 41	12 11 12
	○	27 12 3	28 1 8
	FEB. .	11 6 25	11 1 43
	MAR. .	12 19 10	12 17 7
1 13 47	APRIL	11 7 54	11 8 57
	MAY .	10 20 38	11 0 21
	JUNE .	9 9 22	9 15 11
	JULY .	8 22 6	9 4 29
	○	23 16 28	23 3 14
	AUG. .	7 10 50	7 16 31
	SEPT. .	5 23 34	6 3 33
	OCT. .	5 12 18	5 14 21
	NOV. .	4 1 2	4 1 4
	DEC. .	3 13 46	3 11 55
1182. C.	JAN. .	2 2 30	1 22 58
		31 15 14	31 10 17
	FEB. .	...	...
	MAR. .	2 3 59	1 22 15
		31 16 43	31 11 11
1 19 36	APRIL	30 5 27	30 1 15
	MAY .	29 18 11	29 16 20
	JUNE .	28 6 55	28 7 50
	JULY .	27 19 39	27 23 7
	AUG. .	26 8 23	26 13 39
	SEPT. .	24 21 7	25 3 15
	OCT. .	24 9 51	24 15 53
	NOV. .	22 22 35	23 3 38
	○	7 16 57	7 14 36
	DEC. .	22 11 19	22 14 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1181. B.A.	JAN. .	21 0 3	21 0 45
April. *d. h. m.*	FEB. .	19 12 47	19 10 26
1 1 25	MAR. .	20 1 31	19 20 9
	APRIL	18 14 15	18 6 40
	MAY .	18 2 59	17 18 33
	○	1 21 21	2 3 7
	JUNE .	16 15 43	16 8 27
	JULY .	16 4 27	15 23 59
	AUG. .	14 17 11	14 16 35
	SEPT. .	13 5 55	13 9 24
	OCT. .	12 18 39	13 1 32
	NOV. .	11 7 23	11 16 20
	○	26 1 45	25 16 41
	DEC. .	10 20 7	11 5 27
1180. G.	JAN. .	9 8 51	9 16 48
	FEB. .	7 21 35	8 2 33
	MAR. .	9 10 20	9 11 8
1 7 14	APRIL	7 23 4	7 19 12
	MAY .	7 11 48	7 3 43
	○	22 6 10	22 16 1
	JUNE .	6 0 32	5 13 40
	JULY .	5 13 16	5 1 54
	AUG. .	4 2 0	3 16 43
	SEPT. .	2 14 44	2 9 45
	OCT. .	2 3 28	2 4 2
		31 16 12	31 22 18
	○	15 10 34	15 1 59
	NOV. .	30 4 56	30 15 13
	DEC. .	29 17 40	30 5 54
1179. F.	JAN. .	28 6 24	28 18 3
	FEB. .	26 19 8	27 3 50
	MAR. .	28 7 53	28 11 52
1 13 3	APRIL	26 20 37	26 18 58
	MAY .	26 9 21	26 2 12
	JUNE .	24 22 5	24 10 39
	JULY .	24 10 49	23 21 20
	AUG. .	22 23 33	22 10 58
	SEPT. .	21 12 17	21 3 32
	OCT. .	21 1 1	20 22 15
	NOV. .	19 13 45	19 17 42
	DEC. .	19 2 29	19 12 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1178. E.	JAN. .	17 15 18	18 4 25
	FEB. .	16 8 57	16 17 41
	MAR. .	17 16 41	18 4 2
April. *d. h. m.* 1 18 51	○	1 11 8	1 7 24
	APRIL	16 5 25	16 12 11
	MAY .	15 18 9	15 19 2
	JUNE .	14 6 53	14 1 43
	JULY .	13 19 37	13 9 21
	AUG. .	12 8 21	11 18 57
	SEPT. .	10 21 5	10 7 19
	○	25 15 27	25 20 37
	OCT. .	10 9 49	9 22 44
	NOV. .	8 22 33	8 16 47
	DEC. .	8 11 17	8 12 12
1177. D.C.	JAN. .	7 0 1	7 7 23
	FEB. .	5 12 45	6 0 43
	MAR. .	6 1 30	6 15 15
	○	20 19 52	20 13 43
1 0 40	APRIL	4 14 14	5 2 43
	MAY .	4 2 58	4 11 39
	JUNE .	2 15 42	2 19 0
	JULY .	2 4 26	2 1 55
		31 17 10	31 9 26
	AUG. .	30 5 54	29 18 32
	○	14 0 16	14 5 27
	SEPT. .	28 18 38	28 5 51
	OCT. .	28 7 22	27 19 56
	NOV. .	26 20 6	26 12 27
	DEC. .	26 8 50	26 6 41
1176. B.	JAN. .	24 21 34	25 1 20
	FEB. .	23 10 18	23 19 0
	○	10 4 40	10 2 55
	MAR. .	24 23 3	25 10 35
1 6 29	APRIL	23 11 47	23 23 28
	MAY .	23 0 31	23 9 52
	JUNE .	21 13 15	21 18 28
	JULY .	21 1 59	21 2 21
	AUG. .	19 14 43	19 10 27
	○	3 9 5	3 7 24
	SEPT. .	18 3 27	17 19 38
	OCT. .	17 16 11	17 6 26
	NOV. .	16 4 55	15 19 8
	DEC. .	15 17 39	15 9 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1175. A.	JAN. .	14 6 23	14 1 51
	FEB. .	12 19 7	12 18 54
	MAR. .	14 7 51	14 11 55
April. *d. h. m.* 1 12 18	APRIL	12 20 35	13 3 56
	MAY .	12 9 19	12 18 13
	JUNE .	10 22 3	11 6 29
	JULY .	10 10 47	10 17 2
	AUG. .	8 23 31	9 2 34
	SEPT. .	7 12 15	7 11 54
	OCT. .	7 0 59	6 21 42
	NOV. .	5 13 43	5 8 19
	DEC. .	5 2 27	4 19 57
1174. G.	JAN. .	3 15 11	3 8 35
	○	18 9 33	18 22 55
	FEB. .	2 3 55	1 22 16
	MAR. .	3 16 40	3 12 58
1 18 7	APRIL	2 5 24	2 4 24
	MAY .	1 18 8	1 20 4
		31 6 52	31 11 16
	JUNE .	29 19 36	30 1 26
	○	14 13 58	14 1 57
	JULY .	29 8 20	29 14 19
	AUG. .	27 21 4	28 2 8
	SEPT. .	26 9 48	26 13 15
	OCT. .	25 22 32	26 0 7
	NOV. .	24 11 16	24 10 58
	DEC. .	24 0 0	23 21 49
1173. F.E. March 31 23 56	○	7 18 22	8 4 25
	JAN. .	22 12 44	22 8 47
	FEB. .	21 1 23	20 20 6
	MAR. .	21 14 12	21 8 12
	APRIL	20 2 56	19 21 26
	MAY .	19 15 40	19 11 56
	JUNE .	18 4 24	18 3 17
	○	2 22 46	2 17 25
	JULY .	17 17 8	17 18 55
	AUG. .	16 5 52	16 10 9
	SEPT. .	14 18 36	15 0 33
	OCT. .	14 7 20	14 13 56
	NOV. .	12 20 4	13 2 16
	DEC. .	12 8 48	12 13 39
	○	27 3 10	27 4 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1172.	JAN. .	10 21 32	11 0 5
D.	FEB. .	9 10 16	9 9 46
April. *d. h. m.*	MAR. .	10 23 1	10 19 9
1 5 44	APRIL	9 11 45	9 4 55
	MAY .	9 0 29	8 15 51
	JUNE .	7 18 13	7 4 38
	○	22 7 35	22 10 32
	JULY .	7 1 57	6 19 22
	AUG. .	5 14 41	5 11 40
	SEPT. .	4 3 25	4 4 48
	OCT. .	3 16 9	3 21 35
	NOV. .	2 4 53	2 13 21
	DEC. .	1 17 37	2 3 28
		31 6 21	31 15 42
1171.	JAN. .	29 19 5	30 2 6
C.	FEB. .	28 7 49	28 11 0
	MAR. .	29 20 34	29 19 2
1 11 33	APRIL	28 9 18	28 3 0
	MAY .	27 22 2	27 12 0
	JUNE .	26 10 46	25 22 57
	JULY .	25 23 30	25 12 29
	AUG. .	24 12 14	24 4 36
	SEPT. .	23 0 58	22 22 36
	OCT. .	22 13 42	22 17 15
	○	6 8 4	6 0 20
	NOV. .	21 2 26	21 11 8
	DEC. .	20 15 10	21 3 5
1170.	JAN. .	19 3 54	19 16 28
B.	FEB. .	17 16 38	18 3 17
	MAR. .	19 5 22	19 11 57
1 17 22	APRIL	17 18 6	17 19 14
	○	2 12 28	2 17 34
	MAY .	17 6 50	17 2 11
	JUNE .	15 19 34	15 9 49
	JULY .	15 8 18	14 19 18
	AUG. .	13 21 2	13 7 28
	SEPT. .	12 9 46	11 22 41
	OCT. .	11 22 30	11 16 35
	○	26 16 52	26 15 44
	NOV. .	10 11 14	10 11 57
	DEC. .	9 23 58	10 7 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1169.	JAN. .	8 12 42	9 0 40
A.G. March. *d. h. m.*	FEB. .	7 1 26	7 15 23
31 23 11	MAR. .	7 14 11	8 3 4
	APRIL	6 2 55	6 12 7
	○	20 21 17	20 18 12
	MAY .	5 15 39	5 19 25
	JUNE .	4 4 23	4 2 3
	JULY .	3 17 7	3 9 8
	AUG. .	2 5 51	1 17 42
		31 18 35	31 4 41
	SEPT. .	30 7 19	29 18 39
	○	15 1 41	15 6 48
	OCT. .	29 20 3	29 11 32
	NOV. .	28 8 47	28 6 25
	DEC. .	27 21 31	28 1 51
1168.	JAN. .	26 10 15	26 20 11
F.	FEB. .	24 22 59	25 12 5
April	MAR. .	26 11 44	27 1 1
1 5 0	APRIL	25 0 28	25 11 6
	MAY .	24 13 12	24 19 8
	JUNE .	23 1 56	23 2 13
	JULY .	22 14 40	22 9 27
	AUG. .	21 3 24	20 17 46
	SEPT. .	19 16 8	19 4 3
	OCT. .	19 4 52	18 16 47
	NOV. .	17 17 36	17 8 5
	DEC. .	17 6 20	17 1 27
1167.	JAN. .	15 19 4	15 19 52
E.	FEB. .	14 7 48	14 14 1
	○	1 2 10	1 2 36
	MAR. .	15 20 32	16 6 37
1 10 49	APRIL	14 9 16	14 20 50
	MAY .	13 22 0	14 8 27
	JUNE .	12 10 44	12 17 57
	JULY .	11 23 28	12 2 13
	AUG. .	10 12 12	10 10 18
	○	25 6 34	25 2 12
	SEPT. .	9 0 56	8 19 3
	OCT. .	8 13 40	8 5 7
	NOV. .	7 2 24	6 16 53
	DEC. .	6 15 8	6 6 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1166. D.	JAN. .	5 8 52	4 21 40
	FEB. .	3 16 36	3 14 5
	○	18 10 58	18 19 12
April. *d. h. m.* 1 16 37	MAR. .	5 5 21	5 7 0
	APRIL	3 18 5	3 23 29
	MAY .	3 6 49	3 14 39
	JUNE .	1 19 33	2 3 59
	JULY .	1 8 17	1 15 31
		30 21 1	31 1 42
	○	14 15 23	14 3 17
	AUG. .	29 9 45	29 11 17
	SEPT. .	27 22 29	27 21 1
	OCT. .	27 11 13	27 7 20
	NOV. .	25 23 57	25 18 27
	DEC. .	25 12 41	25 6 27
1165. C.B.	JAN. .	24 1 25	23 19 21
	○	7 19 47	8 9 16
March. 31 22 26	FEB. .	22 14 9	22 9 16
	MAR. .	23 2 54	23 0 5
	APRIL	21 15 33	21 15 32
	MAY .	21 4 22	21 6 59
	JUNE .	19 17 6	19 21 49
	JULY .	19 5 50	19 11 35
	○	8 0 12	2 10 47
	AUG. .	17 18 34	18 0 11
	SEPT. .	16 7 18	16 11 58
	OCT. .	15 20 2	15 23 4
	NOV. .	14 8 46	14 10 2
	DEC. .	13 21 30	13 20 51
1164. A.	JAN. .	12 10 14	12 7 35
	FEB. .	10 22 58	10 18 26
April. 1 4 15	MAR. .	12 11 42	12 5 47
	APRIL	11 0 26	10 18 9
	MAY .	10 13 10	10 7 50
	JUNE .	9 1 54	8 22 45
	JULY .	8 14 38	8 14 26
	AUG. .	7 3 22	7 6 11
	SEPT. .	5 16 6	5 21 20
	OCT. .	5 4 50	5 11 31
	NOV. .	3 17 34	4 0 35
	DEC. .	3 6 18	3 12 32
	○	18 0 40	17 22 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1163. G.	JAN. .	1 19 2	1 23 28
		31 7 46	31 9 14
	FEB. .	...	...
April. *d. h. m.* 1 10 4	MAR. .	1 20 31	1 18 29
		31 9 15	31 3 40
	APRIL	29 21 59	29 18 42
	MAY .	29 10 43	29 1 22
	○	13 5 5	13 10 29
	JUNE .	27 23 27	27 15 5
	JULY .	27 12 11	27 6 46
	AUG. .	26 0 55	25 23 46
	SEPT. .	24 13 39	24 17 7
	OCT. .	24 2 23	24 9 47
	NOV. .	22 15 7	23 0 56
	○	7 9 29	7 1 3
	DEC. .	22 3 51	22 14 11
1162. F.	JAN. .	20 16 35	21 1 24
	FEB. .	19 5 19	19 10 49
	MAR. .	20 18 4	20 19 0
1 15 53	APRIL	19 6 48	19 2 41
	MAY .	18 19 32	18 10 55
	○	2 13 54	2 23 0
	JUNE .	17 8 16	16 20 41
	JULY .	16 21 0	16 8 53
	AUG. .	15 9 44	14 23 50
	SEPT. .	13 22 28	13 17 10
	OCT. .	13 11 12	13 11 51
	NOV. .	11 23 56	12 6 26
	○	26 18 18	26 10 48
	DEC. .	11 12 40	11 23 34
1161. E.D. March. 31 21 42	JAN. .	10 1 24	10 14 18
	FEB. .	8 14 8	9 2 18
	MAR. .	9 2 52	9 11 48
	APRIL	7 15 36	7 19 32
	MAY .	7 4 20	7 2 25
	JUNE .	5 17 4	5 9 31
	JULY .	5 5 48	4 17 57
	AUG. .	3 18 32	3 4 44
	SEPT. .	2 7 16	1 18 29
	OCT. .	1 20 0	1 11 14
		31 8 44	31 6 8
	NOV. .	29 21 28	30 1 41
	DEC. .	29 10 12	29 20 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1160.	JAN. .	27 22 56	28 12 22
	FEB. .	26 11 40	27 1 29
C. April. *d. h. m.* 1 8 30	MAR. .	28 0 25	28 11 41
	○	11 18 47	11 14 14
	APRIL	26 13 9	27 0 41
	MAY .	26 1 58	26 2 29
	JUNE .	24 14 37	24 9 14
	JULY .	24 8 21	23 17 0
	AUG. .	22 16 5	22 2 46
	SEPT. .	21 4 49	20 15 18
	○	5 23 11	6 5 8
	OCT. .	20 17 33	20 6 50
	NOV. .	19 6 17	19 0 50
	DEC. .	18 19 1	18 20 7
1159. B.	JAN. .	17 7 45	17 15 5
	FEB. .	15 20 29	16 8 14
	MAR. .	17 9 13	17 22 36
	○	1 3 35	31 21 4
1 9 19	APRIL	15 21 57	16 9 59
	MAY .	15 10 41	15 18 56
	JUNE .	13 23 25	14 2 26
	JULY .	13 12 9	13 9 34
	AUG. .	12 0 53	11 17 23
	SEPT. .	10 13 37	10 2 44
	○	25 7 59	25 13 20
	OCT. .	10 2 21	9 14 18
	NOV. .	8 15 5	8 4 20
	DEC. .	8 3 49	7 20 33
1158. A.	JAN. .	6 16 33	6 14 30
	FEB. .	5 5 18	5 8 45
	MAR. .	6 18 2	7 2 8
	○	21 12 24	21 10 43
1 15 8	APRIL	5 6 46	5 17 31
	MAY .	4 19 30	5 6 25
	JUNE .	3 8 14	3 16 58
	JULY .	2 20 58	3 1 54
	AUG. .	1 9 42	1 10 9
		30 22 26	30 18 40
	○	14 16 48	14 14 49
	SEPT. .	29 11 10	29 4 11
	OCT. .	28 23 54	28 15 10
	NOV. .	27 12 38	27 3 47
	DEC. .	27 1 22	26 18 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1157. G.F. March. *d. h. m.* 31 20 56	JAN. .	25 14 6	25 9 40
	FEB. .	24 2 50	24 2 8
	MAR. .	24 15 35	24 18 45
	APRIL	23 4 19	23 10 34
	MAY .	22 17 3	23 0 54
	JUNE .	21 5 47	21 13 27
	JULY .	20 18 31	21 0 27
	AUG. .	19 7 15	19 10 31
	SEPT. .	17 19 59	17 20 20
	OCT. .	17 8 43	17 6 29
	NOV. .	15 21 27	15 17 16
	DEC. .	15 10 11	15 4 45
1156. E.	JAN. .	13 22 55	13 16 58
	○	28 17 17	29 7 2
	FEB. .	12 11 39	12 6 4
April. 1 2 45	MAR. .	14 0 23	13 20 8
	APRIL	12 13 7	12 11 6
	MAY .	12 1 51	12 2 31
	JUNE .	10 14 35	10 17 46
	JULY .	10 3 19	10 8 17
	○	24 21 41	24 9 28
	AUG. .	8 16 3	8 21 43
	SEPT. .	7 4 47	7 10 7
	OCT. .	6 17 31	6 21 47
	NOV. .	5 6 15	5 9 1
	DEC. .	4 18 59	4 19 56
1155. D.	JAN. .	3 7 43	3 6 35
	○	18 2 5	18 12 12
	FEB. .	1 20 27	1 17 7
	MAR. .	3 9 12	3 8 52
1 8 34	APRIL	1 21 56	1 15 24
	MAY .	1 10 40	1 4 10
		30 23 24	30 18 24
	JUNE .	29 12 8	29 9 50
	○	14 6 30	14 1 4
	JULY .	29 0 52	29 1 48
	AUG. .	27 13 36	27 17 36
	SEPT. .	26 2 20	26 8 35
	OCT. .	25 15 4	25 22 29
	NOV. .	24 3 48	24 11 8
	DEC. .	23 16 32	23 22 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1154. C.	○	7 10 54	7 11 56
	JAN. .	22 5 16	22 8 43
April. *d. h. m.* 1 14 28	FEB. .	20 18 0	20 17 59
	MAR. .	22 6 45	22 2 51
	APRIL	20 19 29	20 12 9
	MAY .	20 8 18	19 22 45
	JUNE .	18 20 57	18 11 18
	○	3 15 19	3 18 4
	JULY .	18 9 41	18 2 5
	AUG. .	16 22 25	16 18 42
	SEPT. .	15 11 9	15 12 15
	OCT. .	14 23 53	15 5 37
	NOV. .	13 12 37	13 21 49
	DEC. .	13 1 21	13 12 8
1153. B.A. March. 31 20 12	JAN. .	11 14 5	12 0 20
	FEB. .	10 2 49	10 10 29
	MAR. .	10 15 33	10 19 2
	APRIL	9 4 17	9 2 38
	MAY .	8 17 1	8 10 19
	JUNE .	7 5 45	6 19 4
	JULY .	6 18 29	6 5 57
	AUG. .	5 7 13	4 19 34
	SEPT. .	3 19 57	3 11 55
	OCT. .	3 8 41	3 6 14
	NOV. .	1 21 25	2 1 14
	○	16 15 47	16 9 12
	DEC. .	1 10 9	1 19 22
		30 22 53	31 11 25
1152. G. April. 1 2 1	JAN. .	29 11 37	30 0 43
	FEB. .	28 0 22	28 11 19
	MAR. .	29 13 6	29 19 42
	APRIL	28 1 50	28 2 47
	○	12 20 12	13 0 3
	MAY .	27 14 34	27 9 34
	JUNE .	26 3 18	25 17 12
	JULY .	25 16 2	25 2 43
	AUG. .	24 4 46	23 15 0
	SEPT. .	22 17 30	22 6 23
	OCT. .	22 6 14	22 0 26
	○	6 0 36	6 0 41
	NOV. .	20 18 58	20 19 55
	DEC. .	20 7 42	20 15 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1151. F. April. *d. h. m.* 1 7 49	JAN. .	18 20 26	19 8 36
	FEB. .	17 9 10	17 23 12
	MAR. .	18 21 55	19 10 43
	APRIL	17 10 39	17 19 38
	○	2 5 1	2 0 48
	MAY .	16 23 23	17 2 53
	JUNE .	15 12 7	15 9 33
	JULY .	15 0 51	14 16 44
	AUG. .	13 13 35	13 1 31
	SEPT. .	12 2 19	11 12 41
	OCT. .	11 15 3	11 2 47
	○	26 9 25	26 15 31
	NOV. .	10 3 47	9 19 38
	DEC. .	9 16 31	9 14 23
1150. E. 1 13 38	JAN. .	8 5 15	8 9 37
	FEB. .	6 17 59	7 3 42
	MAR. .	8 6 43	8 19 26
	APRIL	6 19 27	7 8 15
	MAY .	6 8 11	6 18 20
	JUNE .	4 20 55	5 2 26
	JULY .	4 9 39	4 9 46
	AUG. .	2 22 23	2 17 17
	SEPT. .	1 11 7	1 1 56
		30 23 51	30 12 27
	OCT. .	30 12 35	30 1 16
	NOV. .	29 1 19	28 16 25
	DEC. .	28 14 3	28 9 27
1149. D.C. March. 31 19 27	JAN. .	27 2 47	27 3 26
	FEB. .	25 15 31	25 21 11
	○	11 9 53	11 10 32
	MAR. .	26 4 16	26 13 34
	APRIL	24 17 0	25 3 42
	MAY .	24 5 44	24 15 27
	JUNE .	22 18 28	23 1 14
	JULY .	22 7 12	22 9 53
	AUG. .	20 19 56	20 18 22
	○	4 14 18	4 9 28
	SEPT. .	19 8 40	19 3 32
	OCT. .	18 21 24	18 13 46
	NOV. .	17 10 8	17 1 49
	DEC. .	16 22 52	16 14 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1148. B.	JAN. .	15 11 36	15 5 48
	FEB. .	14 0 20	13 21 33
	○	28 18 42	1 3 17
April. *d. h. m.* 1 1 16	MAR. .	15 13 4	15 13 57
	APRIL	14 1 48	14 6 6
	MAY .	13 14 32	13 21 13
	JUNE .	12 3 16	12 10 47
	JULY .	11 16 0	11 22 43
	AUG. .	10 4 44	10 9 24
	○	24 23 6	24 10 34
	SEPT. .	8 17 28	8 19 32
	OCT. .	8 6 12	8 5 42
	NOV. .	6 18 56	6 16 16
	DEC. .	6 7 40	6 3 21
1147. A.	JAN. .	4 20 24	4 15 2
	FEB. .	3 9 8	3 3 24
	○	18 3 30	18 17 12
	MAR. .	4 21 53	4 16 41
1 7 5	APRIL	3 10 37	3 6 57
	MAY .	2 23 21	2 22 2
	JUNE .	1 12 5	1 13 25
	JULY .	1 0 49	1 4 30
		30 13 33	30 18 44
	○	14 7 55	13 18 27
	AUG. .	29 2 17	29 7 56
	SEPT. .	27 15 1	27 20 13
	OCT. .	27 3 45	27 7 51
	NOV. .	25 16 29	25 19 0
	DEC. .	25 5 13	25 5 44
1146. G.	JAN. .	23 17 57	23 16 7
	FEB. .	22 6 41	22 2 25
	MAR. .	23 19 26	23 13 12
1 12 54	APRIL	22 8 10	22 1 4
	MAY .	21 20 54	21 14 25
	JUNE .	20 9 38	20 5 16
	JULY .	19 22 22	19 21 9
	AUG. .	18 11 6	18 13 22
	SEPT. .	16 23 50	17 5 8
	OCT. .	16 12 34	16 19 53
	NOV. .	15 1 18	15 9 21
	DEC. .	14 14 2	14 21 25
	○	29 8 24	29 6 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1145. F.E. March. *d. h. m.* 31 18 42	JAN. .	13 2 46	13 8 6
	FEB. .	11 15 30	11 17 36
	MAR. .	12 4 14	12 2 21
	APRIL	10 16 58	10 11 6
	MAY .	10 5 42	9 20 42
	JUNE .	8 18 26	8 8 8
	○	23 12 48	23 17 52
	JULY .	8 7 10	7 21 48
	AUG. .	6 19 54	6 13 41
	SEPT. .	5 8 38	5 7 5
	OCT. .	4 21 22	5 0 56
	NOV. .	3 10 6	3 18 2
	DEC. .	2 22 50	3 9 31
	○	17 17 12	17 9 24
1144. D.	JAN. .	1 11 34	1 22 43
		31 0 18	31 9 50
	FEB. .	...	...
	MAR. .	1 13 3	1 18 57
April. 1 0 31		31 1 47	31 2 45
	APRIL	29 14 31	29 10 7
	MAY .	29 3 15	28 18 6
	○	12 21 37	13 5 56
	JUNE .	27 15 59	27 3 46
	JULY .	27 4 43	26 15 58
	AUG. .	25 17 27	25 7 4
	SEPT. .	24 6 11	24 0 40
	OCT. .	23 18 55	23 19 41
	NOV. .	22 7 39	22 14 34
	○	7 2 1	6 19 35
	DEC. .	21 20 23	22 7 50
1143. C.	JAN. .	20 9 7	20 22 32
	FEB. .	18 21 51	19 10 21
	MAR. .	20 10 36	20 19 38
1 6 20	APRIL	18 23 20	19 3 8
	MAY .	18 12 4	18 9 52
	○	2 6 26	2 10 46
	JUNE .	17 0 48	16 16 55
	JULY .	16 13 32	16 1 23
	AUG. .	15 2 16	14 12 16
	SEPT. .	13 15 0	13 2 11
	OCT. .	13 3 44	12 19 4
	NOV. .	11 16 23	11 14 4
	DEC. .	11 5 12	11 9 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1142. B. April. *d. h. m.* 1 12 8	JAN.	9 17 56	10 4 9
	FEB.	8 6 40	8 20 10
	MAR.	9 19 24	10 9 8
	APRIL	8 8 8	8 19 11
	MAY	7 20 52	8 3 7
	JUNE	6 9 36	6 9 55
	JULY	5 22 20	5 16 48
	AUG.	4 11 4	4 0 45
	SEPT.	2 23 48	2 10 45
	OCT.	2 12 32	1 23 26
	○	17 6 54	17 13 34
	NOV.	1 1 16	31 14 59
		30 14 0	30 8 53
	DEC.	30 2 44	30 3 56
1141. A.G. March. 31 17 57	JAN.	28 15 28	28 22 39
	FEB.	27 4 12	27 15 34
	MAR.	27 16 57	28 5 48
	○	11 11 19	11 4 21
	APRIL	26 5 41	26 17 10
	MAY	25 18 25	26 2 13
	JUNE	24 7 9	24 9 55
	JULY	23 19 53	23 17 20
	AUG.	22 8 37	22 1 28
	SEPT.	20 21 21	20 11 9
	○	5 15 43	5 21 17
	OCT.	20 10 5	19 22 51
	NOV.	18 22 49	18 12 50
	DEC.	18 11 33	18 4 50
1140. F. 31 23 46	JAN.	17 0 17	16 22 15
	FEB.	15 13 1	15 16 3
	MAR.	17 1 46	17 9 5
	○	31 20 8	31 18 25
	APRIL	15 14 30	16 0 19
	MAY	15 3 14	15 13 18
	JUNE	13 15 58	14 0 6
	JULY	13 4 42	13 9 24
	AUG.	11 17 26	11 18 4
	SEPT.	10 6 10	10 3 2
	○	25 0 32	24 22 20
	OCT.	9 18 54	9 12 54
	NOV.	8 7 38	8 0 0
	DEC.	7 20 22	7 12 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1139. E. April. *d. h. m.* 1 5 35	JAN.	6 9 6	6 2 18
	FEB.	4 21 50	4 17 22
	MAR.	6 10 34	6 9 17
	APRIL	4 23 18	5 1 27
	MAY	4 12 2	4 17 6
	JUNE	3 0 46	3 7 31
	JULY	2 13 30	2 20 26
	AUG.	1 2 14	1 7 57
		30 14 58	30 18 33
	SEPT.	29 3 42	29 4 53
	OCT.	28 16 26	28 15 22
	NOV.	27 5 10	27 2 13
	DEC.	26 17 54	26 13 29
1138. D. 1 11 24	JAN.	25 6 38	25 1 14
	○	9 1 0	9 14 59
	FEB.	23 19 22	23 13 44
	MAR.	25 8 7	25 3 14
	APRIL	23 20 51	23 17 43
	MAY	23 9 35	23 8 56
	JUNE	21 22 19	22 0 18
	JULY	21 11 3	21 15 14
	○	5 5 25	4 17 9
	AUG.	19 23 47	20 5 15
	SEPT.	18 12 31	18 18 15
	OCT.	18 1 15	18 6 26
	NOV.	16 13 59	16 17 58
	DEC.	16 2 43	16 4 53
1137. C.B. March. 31 17 13	JAN.	14 15 27	14 15 17
	○	29 9 49	29 19 53
	FEB.	13 4 11	13 1 19
	MAR.	13 16 56	13 11 32
	APRIL	12 5 40	11 22 31
	MAY	11 18 24	11 10 53
	JUNE	10 7 8	10 0 56
	JULY	9 19 52	9 16 27
	○	24 14 14	24 8 50
	AUG.	8 8 36	8 8 48
	SEPT.	6 21 20	7 1 8
	OCT.	6 10 4	6 16 44
	NOV.	4 22 48	5 7 6
	DEC.	4 11 32	4 19 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1136. A. March. d. h. m. 31 23 1	JAN. .	3 0 16	3 7 19
	○	17 18 38	17 19 38
	FEB. .	1 13 0	1 17 12
	MAR. .	3 1 44	3 2 3
	APRIL	1 14 28	1 10 28
	MAY .	1 3 12	30 19 21
		30 15 56	30 5 37
	JUNE .	29 4 40	28 18 4
	○	13 23 2	14 1 38
	JULY .	28 17 24	28 8 57
	AUG. .	27 6 8	27 1 51
	SEPT. .	25 18 52	25 19 50
	OCT. .	25 7 36	25 13 41
	NOV. .	23 20 20	24 6 15
	DEC. .	23 9 4	23 20 43
1135. G. April. 1 4 50	JAN. .	21 21 48	22 8 48
	FEB. .	20 10 32	20 18 41
	MAR. .	21 23 17	22 2 53
	APRIL	20 12 1	20 10 12
	MAY .	20 0 45	19 17 37
	JUNE .	18 13 29	18 2 14
	JULY .	18 2 13	17 13 6
	AUG. .	16 14 57	16 2 49
	SEPT. .	15 3 41	14 19 22
	OCT. .	14 16 25	14 13 59
	NOV. .	13 5 9	13 9 15
	○	27 23 31	27 18 6
	DEC. .	12 17 53	13 3 35
1134. F. 1 10 39	JAN. .	11 6 37	11 19 39
	FEB. .	9 19 21	10 8 59
	MAR. .	11 8 5	11 19 11
	APRIL	9 20 49	10 3 21
	MAY .	9 9 33	9 10 16
	○	24 3 55	24 6 30
	JUNE .	7 22 17	7 17 0
	JULY .	7 11 1	7 0 37
	AUG. .	5 23 45	5 10 15
	SEPT. .	4 12 29	3 22 41
	OCT. .	4 1 13	3 14 14
	NOV. .	2 13 57	2 8 21
	○	17 8 19	17 9 39
	DEC. .	2 2 41	2 3 52
		31 15 25	31 23 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1133. E. D. March. d. h. m. 31 16 28	JAN. .	30 4 9	30 16 23
	FEB. .	28 16 53	29 6 50
	MAR. .	29 5 38	29 18 13
	APRIL	27 18 22	28 3 2
	○	12 12 44	12 7 20
	MAY .	27 7 6	27 10 17
	JUNE .	25 19 50	25 17 4
	JULY .	25 8 34	25 0 27
	AUG. .	23 21 18	23 9 27
	SEPT. .	22 10 2	21 20 51
	OCT. .	21 22 46	21 11 0
	○	5 17 8	6 0 14
	NOV. .	20 11 30	20 3 47
	DEC. .	20 0 14	19 22 20
1132. C. 31 22 17	JAN. .	18 12 58	18 17 15
	FEB. .	17 1 42	17 11 5
	MAR. .	18 14 27	19 2 37
	APRIL	17 3 11	17 15 22
	MAY .	16 15 55	17 1 31
	JUNE .	15 4 39	15 9 51
	JULY .	14 17 23	14 17 25
	AUG. .	13 6 7	13 1 16
	SEPT. .	11 18 51	11 10 16
	OCT. .	11 7 35	10 21 2
	NOV. .	9 20 19	9 9 51
	DEC. .	9 9 3	9 0 47
1131. B. April. 1 4 6	JAN. .	7 21 47	7 17 25
	FEB. .	6 10 31	6 10 55
	MAR. .	7 23 15	8 4 15
	○	22 17 37	22 18 25
	APRIL	6 11 59	6 20 21
	MAY .	6 0 43	6 10 28
	JUNE .	4 13 27	4 22 25
	JULY .	4 2 11	4 8 32
	AUG. .	2 14 55	2 17 37
	SEPT. ○	1 3 39	1 2 36
		15 22 1	15 16 52
		30 16 23	30 12 8
	OCT. .	30 5 7	29 22 41
	NOV. .	28 17 51	28 10 27
	DEC. .	28 6 35	27 23 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1130. A.	JAN.	26 19 19	26 18 39
	FEB.	25 8 8	25 4 54
April. *d. h. m.* 1 9 54	○ MAR.	12 2 25 26 20 48	12 11 14 26 20 47
	APRIL	25 9 32	25 12 39
	MAY	24 22 16	25 8 45
	JUNE	23 11 0	23 17 36
	JULY	22 23 44	23 6 0
	AUG.	21 12 28	21 17 15
	○ SEPT.	5 6 50 20 1 12	4 18 8 20 3 55
	OCT.	19 13 56	19 14 30
	NOV.	18 2 40	18 1 14
	DEC.	17 15 24	17 12 14
1129. G.F.	JAN.	16 4 8	15 23 32
	FEB.	14 16 52 29 11 14	14 11 21
March. 31 15 43	○ MAR.	15 5 37	1 1 0 15 0 0
	APRIL	13 18 21	13 13 45
	MAY	13 7 5	13 4 31
	JUNE	11 19 49	11 19 53
	JULY	11 8 33	11 11 16
	AUG.	9 21 17	10 2 1
	○ SEPT.	24 15 39	24 2 18
	OCT.	8 10 1	8 15 50
	NOV.	7 22 45	8 4 41
	DEC.	6 11 29	6 16 42
		6 0 13	6 3 58
1128. E. 31 21 32	JAN.	4 12 57	4 14 31
	FEB.	3 1 41	3 0 30
	MAR.	4 14 25	4 10 18
	APRIL	3 3 9	2 20 31
	MAY	2 15 58	2 7 54 31 20 58
	JUNE	1 4 37 30 17 21	30 11 49
	JULY	30 6 5	30 3 59
	AUG.	28 18 49	28 20 40
	SEPT.	27 7 33	27 13 1
	OCT.	26 20 17	27 4 18
	NOV.	25 9 1	25 18 5
	DEC.	24 21 45	25 6 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1127. D.	○ JAN.	8 16 7 23 10 29	8 14 16 23 16 40
	FEB.	21 23 13	22 1 49
April. *d. h. m.* 1 8 21	MAR.	23 11 58	23 10 9
	APRIL	22 0 42	21 18 28
	MAY	21 13 26	21 3 45
	JUNE	20 2 10	19 14 59
	○ JULY	4 20 32 19 14 54	5 1 18 19 4 39
	AUG.	18 3 38	17 20 44
	SEPT.	16 16 22	16 14 31
	OCT.	16 5 6	16 8 49
	NOV.	14 17 50	15 2 20
	DEC.	14 6 34	14 18 1
	○	29 0 56	28 17 44
1126. C. 1 9 10	JAN.	12 19 18	13 7 18
	FEB.	11 8 2	11 18 7
	MAR.	12 20 47	13 2 55
	APRIL	11 9 31	11 10 25
	MAY	10 22 15	10 15 47
	JUNE	9 10 59	9 1 20
	○ JULY	24 5 21	24 12 55
	AUG.	8 23 43	8 10 57
	SEPT.	7 12 27	6 23 13
	OCT.	6 1 11	5 14 29
	NOV.	5 13 55	5 8 21
	DEC.	4 2 39	4 3 36
	○	3 15 23 18 9 45	3 22 41 18 4 22
1125. B.A. March. 31 14 59	JAN.	2 4 7 31 16 51	2 16 2 ...
	FEB.	...	1 6 38
	MAR.	1 5 35 30 18 19	1 18 16 31 3 20
	APRIL	29 7 3	29 10 39
	MAY	28 19 47	28 17 18
	○ JUNE	12 14 9 27 8 31	12 17 18 27 0 21
	JULY	26 21 15	26 8 55
	AUG.	25 9 59	24 19 58
	SEPT.	23 22 43	23 10 2
	OCT.	23 11 27	23 3 1
	NOV.	22 0 11	21 22 2
	DEC.	21 12 55	21 17 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1124. G. d. h. m. March. 31 20 47		d. h. m.	d. h. m.
	JAN. .	20 1 39	20 11 56
	FEB. .	18 14 23	19 8 48
	MAR. .	20 3 8	20 16 38
	APRIL	18 15 52	19 2 35
	MAY .	18 4 36	18 10 30
	JUNE .	16 17 20	16 17 25
	JULY .	16 6 4	16 0 28
	AUG. .	14 18 48	14 8 41
	SEPT. .	13 7 32	12 18 55
	OCT. .	12 20 16	12 7 44
	○	27 14 38	27 22 9
	NOV. .	11 9 0	10 23 15
	DEC. .	10 21 44	10 16 56
1123. F. April. 1 2 36	JAN. .	9 10 28	9 11 42
	FEB. .	7 23 12	8 6 5
	MAR. .	9 11 57	9 22 46
	APRIL	8 0 41	8 12 52
	○	22 19 3	22 11 35
	MAY .	7 13 25	8 0 16
	JUNE .	6 2 9	6 9 28
	JULY .	5 14 53	5 17 27
	AUG. .	4 3 37	4 1 12
	SEPT. .	2 16 21	2 9 44
	OCT. ○	2 5 5	1 19 41
		16 23 27	17 5 21
		31 17 49	31 7 30
	NOV. .	30 6 33	29 21 20
	DEC. .	29 19 17	29 12 59
1122. E. 1 8 25	JAN. .	28 8 1	28 5 55
	FEB. .	26 20 45	26 23 14
	MAR. .	28 9 29	28 15 54
	○	12 8 51	12 2 1
	APRIL	26 22 18	27 7 1
	MAY .	26 10 57	26 20 7
	JUNE .	24 23 41	25 7 14
	JULY .	24 12 25	24 16 58
	AUG. .	23 1 9	23 2 8
	SEPT. .	21 13 53	21 11 31
	○	6 8 15	6 6 0
	OCT. .	21 2 37	20 21 41
	NOV. .	19 15 21	19 8 51
	DEC. .	19 4 5	18 21 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1121. D.C. March. d. h. m. 31 14 14		d. h. m.	d. h. m.
	JAN. .	17 16 49	17 10 29
	FEB. .	16 5 33	16 0 57
	MAR. .	16 18 18	16 16 19
	APRIL	15 7 2	15 8 4
	MAY .	14 19 46	14 23 35
	JUNE .	13 8 30	13 14 11
	JULY .	12 21 14	13 3 30
	AUG. .	11 9 58	11 15 33
	SEPT. .	9 22 42	10 2 45
	OCT. .	9 11 26	9 13 33
	NOV. .	8 0 10	8 0 19
	DEC. .	7 12 54	7 11 9
1120. B. 31 20 3	JAN. .	6 1 38	5 22 10
	FEB. .	4 14 22	4 9 26
	○	19 8 44	19 22 46
	MAR. .	6 3 6	5 21 19
	APRIL	4 15 50	4 10 13
	MAY .	4 4 34	4 0 17
	JUNE .	2 17 18	2 15 22
	JULY .	2 6 2	2 6 55
		31 18 46	31 22 15
	○	15 13 8	15 0 59
	AUG. .	30 7 30	30 12 51
	SEPT. .	28 20 14	29 2 29
	OCT. .	28 8 58	28 15 9
	NOV. .	26 21 42	27 2 52
	DEC. .	26 10 26	26 13 44
1119. A. April. 1 1 52	JAN. .	24 23 10	24 23 50
	○	8 17 32	9 3 23
	FEB. .	23 11 54	23 9 24
	MAR. .	25 0 39	24 19 5
	APRIL	23 13 23	23 5 33
	MAY .	23 2 7	22 17 35
	JUNE .	21 14 51	21 7 30
	JULY .	21 3 35	20 23 10
	○	4 21 57	4 16 42
	AUG. .	19 16 19	19 15 53
	SEPT. .	18 5 3	18 8 47
	OCT. .	17 17 47	18 0 56
	NOV. .	16 6 31	16 15 43
	DEC. .	15 19 15	16 4 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1118. G.	JAN. .	14 7 59	14 15 57
	○	29 2 21	29 8 10
April. *d. h. m.* 1 7 40	FEB. .	12 20 43	13 1 33
	MAR. .	14 9 28	14 10 0
	APRIL	12 22 12	12 18 0
	MAY .	12 10 56	12 2 31
	JUNE .	10 23 40	10 12 34
	JULY .	10 12 24	10 0 57
	○	25 6 46	25 9 19
	AUG. .	9 1 8	8 15 56
	SEPT. .	7 13 52	7 9 9
	OCT. .	7 2 36	7 3 33
	NOV. .	5 15 20	5 21 49
	DEC. .	5 4 4	5 14 40
1117. F.E. March. 31 13 29	JAN. .	3 16 48	4 5 13
	FEB. .	2 5 32	2 17 9
	MAR. .	2 18 16	3 2 45
	APRIL	1 7 0	1 10 39
		30 19 44	30 17 40
	MAY .	30 8 28	30 0 54
	JUNE .	28 21 12	28 9 28
	JULY .	28 9 56	27 20 22
	AUG. .	26 22 40	26 10 12
	SEPT. .	25 11 24	25 2 57
	OCT. .	25 0 8	24 21 48
	NOV. .	23 12 52	23 17 17
	○	8 7 14	8 2 58
	DEC. .	23 1 36	23 11 41
1116. D. 31 19 18	JAN. .	21 14 20	22 3 43
	FEB. .	20 3 4	20 16 45
	MAR. .	21 15 49	22 2 56
	APRIL	20 4 33	20 10 55
	MAY .	19 17 17	19 17 43
	○	3 11 39	3 12 58
	JUNE .	18 6 1	18 0 26
	JULY .	17 18 45	17 8 11
	AUG. .	16 7 29	15 17 58
	SEPT. .	14 20 13	14 6 33
	OCT. .	14 8 57	13 22 11
	NOV. .	12 21 41	12 16 23
	○	27 16 3	27 18 37
	DEC. .	12 10 25	12 11 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1115. C. April. *d. h. m.* 1 1 7	JAN. .	10 23 9	11 6 52
	FEB. .	9 11 58	10 0 1
	MAR. .	11 0 38	11 14 20
	APRIL	9 13 22	10 1 36
	MAY .	9 2 6	9 10 23
	○	28 20 28	28 13 55
	JUNE .	7 14 50	7 17 42
	JULY .	7 3 34	7 0 40
	AUG. .	5 16 18	5 8 19
	SEPT. .	4 5 2	3 17 35
	OCT. .	3 17 46	3 5 10
	NOV. .	2 6 30	1 19 22
	○	17 0 52	17 9 1
	DEC. .	1 19 14	1 11 59
		31 7 58	31 6 12
1114. B. 1 6 56	JAN. .	29 20 42	30 0 47
	FEB. .	28 9 26	28 18 17
	MAR. .	29 22 10	30 9 39
	APRIL	28 10 54	28 22 23
	○	13 5 16	12 20 9
	MAY .	27 23 38	28 8 39
	JUNE .	26 12 22	26 17 14
	JULY .	26 1 6	26 1 10
	AUG. .	24 13 50	24 9 24
	SEPT. .	23 2 34	22 18 44
	OCT. .	22 15 18	22 5 41
	NOV. .	21 4 2	20 18 28
	DEC. .	20 16 46	20 9 7
1113. A.G. March. 31 12 45	JAN. .	19 5 30	19 1 15
	FEB. .	17 18 14	17 18 13
	MAR. .	18 6 59	18 10 58
	○	2 1 21	2 2 9
	APRIL	16 19 43	17 3 2
	MAY .	16 8 27	16 17 12
	JUNE .	14 21 11	15 5 23
	JULY .	14 9 55	14 15 55
	AUG. .	12 22 39	13 1 31
	SEPT. .	11 11 23	11 10 58
	○	26 5 45	26 0 25
	OCT. .	11 0 7	10 20 53
	NOV. .	9 12 51	9 7 35
	DEC. .	9 1 35	8 19 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1112. F. March. d. h. m. 31 18 38		d. h. m.	d. h. m.
	JAN.	7 14 19	7 7 52
	FEB.	6 3 8	5 21 31
	MAR.	7 15 48	7 12 9
	○	22 10 10	22 19 4
	APRIL	6 4 32	6 8 33
	MAY	5 17 16	5 19 9
	JUNE	4 6 0	4 10 18
	JULY	3 18 44	4 0 27
	AUG.	2 7 28	2 13 22
		31 20 12	
	○	15 14 34	1 1 14
			15 1 51
	SEPT.	30 8 56	30 12 26
	OCT.	29 21 40	29 23 24
	NOV.	28 10 24	28 10 13
	DEC.	27 23 8	27 21 8
1111. E. April. 1 0 22	JAN.	26 11 52	26 7 56
	FEB.	25 0 36	24 19 11
	○	11 18 58	12 8 38
	MAR.	26 13 20	26 7 13
	APRIL	25 2 4	24 20 29
	MAY	24 14 48	24 10 59
	JUNE	23 3 32	23 2 23
	JULY	22 16 16	22 18 4
	AUG.	21 5 0	21 9 21
	○	4 23 22	4 10 27
	SEPT.	19 17 44	19 23 49
	OCT.	19 6 28	19 13 13
	NOV.	17 19 12	18 1 33
	DEC.	17 7 56	17 12 52
1110. D. 1 6 11	JAN.	15 20 40	15 23 12
	FEB.	14 9 24	14 8 47
	MAR.	15 22 9	15 18 5
	APRIL	14 10 53	14 3 48
	MAY	13 23 37	13 14 38
	JUNE	12 12 21	12 3 38
	JULY	12 1 5	11 18 29
	AUG.	10 13 49	10 10 56
	SEPT.	9 2 33	9 4 7
	OCT.	8 15 17	8 21 0
	NOV.	7 4 1	7 12 46
	DEC.	6 16 45	7 2 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1109. C.B. March. d. h. m. 31 12 0		d. h. m.	d. h. m.
	JAN.	5 5 29	5 14 55
	○	19 23 51	19 21 59
	FEB.	3 18 13	4 1 9
	MAR.	4 6 58	4 9 55
	APRIL	2 19 42	2 17 50
	MAY	2 8 26	2 1 47
		31 21 10	31 10 49
	JUNE	30 9 54	29 21 54
	○	15 4 16	15 12 16
	JULY	29 22 38	29 11 38
	AUG.	28 11 22	28 3 56
	SEPT.	27 0 6	26 22 5
	OCT.	26 12 50	26 16 48
	NOV.	25 1 34	25 10 39
	DEC.	24 14 18	25 2 28
1108. A. 31 17 49	○	8 8 40	8 1 59
	JAN.	23 3 2	23 15 41
	FEB.	21 15 46	22 2 17
	MAR.	23 4 30	23 10 46
	APRIL	21 17 14	21 17 58
	MAY	21 5 58	21 0 53
	JUNE	19 18 42	19 8 37
	○	4 13 4	4 19 56
	JULY	19 7 26	18 18 15
	AUG.	17 20 10	17 6 37
	SEPT.	16 8 54	15 22 4
	OCT.	15 21 38	15 16 7
	NOV.	14 10 22	14 11 34
	DEC.	13 23 6	14 6 44
	○	28 17 28	28 13 6
1107. G. 31 23 38	JAN.	12 11 50	13 0 4
	FEB.	11 0 34	11 14 34
	MAR.	12 13 19	13 2 2
	APRIL	11 2 3	11 10 55
	MAY	10 14 47	10 18 6
	JUNE	9 3 31	9 0 45
	○	23 21 54	23 23 53
	JULY	8 16 15	8 7 54
	AUG.	7 4 59	6 16 38
	SEPT.	5 17 43	5 3 51
	OCT.	5 6 27	4 18 2
	NOV.	3 19 11	3 11 4
	DEC.	3 7 55	3 6 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1106. F.	JAN.	1 20 39	2 1 24
		31 9 23	31 19 34
	FEB.	...	...
April. *d. h. m.* 1 5 26	MAR.	1 22 7	2 11 16
		31 10 51	31 23 57
	APRIL	29 23 35	30 9 52
	MAY	29 12 19	29 17 51
	JUNE	28 1 3	28 0 55
	JULY	27 13 47	27 8 15
	AUG.	26 2 31	25 16 44
	SEPT.	24 15 15	24 3 12
	OCT.	24 3 59	23 16 8
	○	7 22 21	8 6 45
	NOV.	22 16 43	22 7 33
	DEC.	22 5 27	22 0 58
1105. E.D. March. 31 11 15	JAN.	20 18 11	20 19 20
	FEB.	19 6 55	19 13 21
	MAR.	19 19 40	20 5 47
	APRIL	18 8 24	18 19 49
	○	3 2 46	2 18 45
	MAY	17 21 8	18 7 17
	JUNE	16 9 52	16 16 45
	JULY	15 22 36	16 1 3
	AUG.	14 11 20	14 9 12
	SEPT.	13 0 4	12 18 7
	OCT.	12 12 48	12 4 20
	○	27 7 10	27 13 27
	NOV.	11 1 32	10 16 12
	DEC.	10 14 16	10 5 51
1104. C. 31 17 4	JAN.	9 3 0	8 21 3
	FEB.	7 15 44	7 13 26
	MAR.	9 4 29	9 6 15
	APRIL	7 17 13	7 22 37
	○	22 11 35	22 9 34
	MAY	7 5 57	7 13 40
	JUNE	5 18 41	6 2 57
	JULY	5 7 25	5 14 25
	AUG.	3 20 9	4 0 39
	SEPT.	2 3 58	2 10 20
	OCT. ○	1 21 37	1 20 3
		16 15 59	16 13 47
		31 10 21	31 6 34
	NOV.	29 23 5	29 17 45
	DEC.	29 11 49	29 5 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1103. B. *d. h. m.* March. 31 22 53	JAN.	28 0 33	27 18 36
	FEB.	26 13 17	26 8 26
	MAR.	28 2 1	27 23 13
	APRIL	26 14 45	26 14 36
	MAY	26 3 29	26 6 2
	JUNE	24 16 13	24 20 51
	JULY	24 4 57	24 10 37
	AUG.	22 17 41	22 23 15
	SEPT.	21 6 25	21 11 2
	OCT.	20 19 9	20 22 17
	NOV.	19 7 53	19 9 15
	DEC.	18 20 37	18 20 4
1102. A.	JAN.	17 9 21	17 6 44
	FEB.	15 22 5	15 17 29
April. 1 4 42	○	2 16 27	3 6 23
	MAR.	17 10 50	17 4 47
	APRIL	15 23 34	15 17 9
	MAY	15 12 18	15 6 52
	JUNE	14 1 2	13 22 0
	JULY	13 13 46	13 13 35
	AUG.	12 2 30	12 5 23
	○	26 20 52	26 8 58
	SEPT.	10 15 14	10 20 35
	OCT.	10 3 58	10 10 49
	NOV.	8 16 42	8 23 54
	DEC.	8 5 26	8 11 47
1101. G.F. March. 31 10 31	JAN.	6 18 11	6 22 33
	FEB.	5 6 55	5 8 18
	○	20 1 17	20 10 48
	MAR.	5 19 39	5 17 24
	APRIL	4 8 23	4 2 43
	MAY	3 21 7	3 12 35
	JUNE	2 9 51	2 0 19
	JULY	1 22 35	1 14 10
		31 11 19	31 6 0
	○	15 5 41	15 0 45
	AUG.	30 0 3	29 23 8
	SEPT.	28 12 47	28 16 33
	OCT.	28 1 31	28 9 13
	NOV.	26 14 15	27 0 20
	DEC.	26 2 59	26 13 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1100. E. March. *d. h. m.* 31 16 19	JAN. .	24 15 43	25 0 30
	○	8 10 5	8 10 36
	FEB. .	28 4 27	28 9 46
	MAR. .	24 17 11	24 17 48
	APRIL	23 5 55	23 1 27
	MAY .	22 18 39	22 9 41
	JUNE .	21 7 23	20 19 34
	JULY .	20 20 7	20 7 56
	○	4 14 29	4 17 6
	AUG. .	19 8 51	18 23 4
	SEPT. .	17 21 35	17 16 35
	OCT. .	17 10 19	17 11 22
	NOV. .	15 23 3	16 5 58
	DEC. .	15 11 47	15 23 0
1099. D. 31 22 8	JAN. .	14 0 31	14 13 33
	FEB. .	12 13 15	13 1 20
	MAR. .	14 2 0	14 10 42
	APRIL	12 14 44	12 18 18
	MAY .	12 3 28	12 1 7
	JUNE .	10 16 12	10 8 16
	JULY .	10 4 56	9 16 49
	AUG. .	8 17 40	8 3 47
	SEPT. .	7 6 24	6 17 47
	OCT. .	6 19 8	6 10 43
	NOV. .	5 7 52	5 5 44
	DEC. .	4 20 36	5 1 16
	○	19 14 58	19 11 51
1098. C. April. 1 8 57	JAN. .	3 9 20	3 19 42
	FEB. .	1 22 4	2 11 39
	MAR. .	3 10 49	4 0 32
	APRIL	1 23 33	2 10 32
	MAY .	1 12 17	1 18 24
		31 1 1	31 1 11
	○	14 19 23	14 19 26
	JUNE .	29 13 45	29 7 59
	JULY .	29 2 29	28 15 52
	AUG. .	27 15 13	27 1 50
	SEPT. .	26 3 57	25 14 36
	OCT. .	25 16 41	25 6 18
	NOV. .	24 5 25	24 0 25
	○	8 23 47	9 3 35
	DEC. .	23 18 9	23 19 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1097. B.A. March. *d. h. m.* 31 9 46	JAN. .	22 6 53	22 14 32
	FEB. .	20 19 37	21 7 30
	MAR. .	21 8 21	21 21 38
	APRIL	19 21 5	20 8 51
	MAY .	19 9 49	19 17 42
	○	3 4 11	2 20 30
	JUNE .	17 22 33	18 1 9
	JULY .	17 11 17	17 8 21
	AUG. .	16 0 1	15 16 18
	SEPT. .	14 12 45	14 1 51
	OCT. .	14 1 29	13 18 35
	NOV. .	12 14 13	12 3 45
	○	27 8 35	27 17 45
	DEC. .	12 2 57	11 20 9
1096. G. 31 15 35	JAN. .	10 15 41	10 13 59
	FEB. .	9 4 25	9 8 9
	MAR. .	10 17 10	11 1 22
	APRIL	9 5 54	9 16 35
	MAY .	8 18 38	9 5 19
	○	23 13 0	23 3 11
	JUNE .	7 7 22	7 15 48
	JULY .	6 20 6	7 0 43
	AUG. .	5 8 50	5 9 2
	SEPT. .	3 21 34	3 17 39
	OCT. .	3 10 18	3 3 20
	NOV. .	1 23 2	1 14 26
	DEC. .	1 11 46	1 3 8
		31 0 30	30 17 24
1095. F. 31 21 24	JAN. .	29 13 14	29 9 0
	FEB. .	28 1 59	28 1 26
	MAR. .	29 14 43	29 17 56
	○	13 9 5	13 9 48
	APRIL	28 3 27	28 9 33
	MAY .	27 16 11	27 23 53
	JUNE .	26 4 55	26 12 24
	JULY .	25 17 39	25 23 23
	AUG. .	24 6 23	24 9 31
	SEPT. .	22 19 7	22 19 25
	OCT. .	22 7 51	22 5 41
	NOV. .	20 20 35	20 16 32
	DEC. .	20 9 19	20 4 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.).	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1094. E.	JAN. .	18 22 8	18 16 12
	FEB. .	17 10 47	17 5 15
	MAR. .	18 23 31	18 19 17
April. d. h. m. 1 8 12	○	2 17 58	8 2 44
	APRIL	17 12 15	17 10 12
	MAY .	17 0 59	17 1 35
	JUNE .	15 13 43	15 16 50
	JULY .	15 2 27	15 7 22
	AUG. .	13 15 11	13 20 49
	SEPT. .	12 3 55	12 9 17
	○	26 22 17	26 9 42
	OCT. .	11 16 39	11 21 0
	NOV. .	10 5 23	10 8 15
	DEC. .	9 18 7	9 19 10
1093. D.C. March. 31 9 1	JAN. .	8 6 51	8 5 46
	FEB. .	6 19 35	6 16 12
	MAR. .	7 8 20	7 2 53
	○	22 2 42	22 16 7
	APRIL	5 21 4	5 14 23
	MAY .	5 9 48	5 3 10
	JUNE .	3 22 32	3 17 28
	JULY .	3 11 16	3 8 57
	AUG. .	2 0 0	2 1 0
		31 12 44	31 16 51
	○	15 7 6	14 18 29
	SEPT. .	30 1 28	30 7 55
	OCT. .	29 14 12	29 21 49
	NOV. .	28 2 56	28 10 25
	DEC. .	27 15 40	27 21 43
1092. B. 31 14 50	JAN. .	26 4 24	26 7 47
	FEB. .	24 17 8	24 16 56
	MAR. .	26 5 52	26 1 43
	APRIL	24 18 36	24 11 0
	MAY .	24 7 20	23 21 38
	JUNE .	22 20 4	22 10 19
	JULY .	22 8 48	22 1 15
	AUG. .	20 21 32	20 18 0
	SEPT. .	19 10 16	19 11 39
	OCT. .	18 23 0	19 5 3
	NOV. .	17 11 44	17 21 14
	DEC. .	17 0 28	17 11 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1091. A. March. d. h. m. 31 20 39	JAN. .	15 13 12	15 23 29
	○	30 7 34	30 5 35
	FEB. .	14 1 56	14 9 28
	MAR. .	15 14 41	15 17 51
	APRIL	14 3 25	14 1 25
	MAY .	13 16 9	13 9 5
	JUNE .	12 4 58	11 17 55
	JULY .	11 17 37	11 4 56
	○	26 11 59	26 16 25
	AUG. .	10 6 21	9 18 44
	SEPT. .	8 19 5	8 11 18
	OCT. .	8 7 49	8 5 45
	NOV. .	6 20 33	7 0 48
	DEC. .	6 9 17	6 18 52
1090. G. April. 1 2 28	JAN. .	4 22 1	5 10 46
	○	19 16 23	19 10 8
	FEB. .	3 10 45	3 23 53
	MAR. .	4 23 30	5 10 16
	APRIL	3 12 14	3 18 31
	MAY .	3 0 58	3 1 30
	JUNE .	1 13 42	1 3 18
			30 15 59
	JULY ○	1 2 26	
		15 20 48	16 3 0
		30 15 10	30 1 42
	AUG. .	29 3 54	28 14 12
	SEPT. .	27 16 38	27 5 48
	OCT. .	27 5 22	27 0 0
	NOV. .	25 18 6	25 19 32
	DEC. .	25 6 50	25 14 43
1089. F.E. March. 31 8 17	○	9 1 12	8 21 45
	JAN. .	28 19 34	24 7 58
	FEB. .	22 8 18	22 22 21
	MAR. .	22 21 2	23 9 38
	APRIL	21 9 46	21 18 24
	MAY .	20 22 30	21 1 31
	JUNE .	19 11 14	19 8 15
	○	4 5 36	4 6 28
	JULY .	18 23 58	18 15 33
	AUG. .	17 12 42	17 0 29
	SEPT. .	16 1 26	15 11 52
	OCT. .	15 14 10	15 2 10
	NOV. .	14 2 54	13 19 10
	DEC. .	13 15 38	13 18 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1088.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 31 14 5	JAN.	12 4 22	12 9 6
	FEB.	10 17 6	11 8 2
	MAR.	12 5 51	12 18 35
	APRIL	10 18 35	11 7 11
	MAY	10 7 19	10 17 8
	JUNE	8 20 8	9 1 13
	JULY	8 8 47	8 8 33
	AUG.	6 21 31	6 16 10
	SEPT.	5 10 15	5 0 58
	OCT.	4 22 59	4 11 40
	NOV.	8 11 43	8 0 38
	○	18 6 5	18 15 24
	DEC.	8 0 27	2 15 53
1087. C.	JAN.	1 13 11	1 8 56
		31 1 55	31 2 51
	FEB.	...	...
31 19 54	MAR.	1 14 40	1 20 31
		31 3 24	31 12 41
	APRIL	29 16 8	30 2 40
	○	14 10 30	14 1 55
	MAY	29 4 52	29 14 19
	JUNE	27 17 36	28 0 3
	JULY	27 6 20	27 8 45
	AUG.	25 19 4	25 17 20
	SEPT.	24 7 48	24 2 38
	OCT.	23 20 32	23 13 5
	○	7 14 54	7 21 35
	NOV.	22 9 16	22 0 58
	DEC.	21 22 0	21 14 20
1086. B.	JAN.	20 10 44	20 5 3
	FEB.	18 23 28	18 20 52
April. 1 1 43	MAR.	20 12 12	20 13 10
	APRIL	19 0 56	19 5 13
	○	3 19 18	3 17 7
	MAY	18 13 40	18 20 14
	JUNE	17 2 24	17 9 44
	JULY	16 15 8	16 21 40
	AUG.	15 8 52	15 8 24
	SEPT.	13 16 36	13 18 36
	OCT.	13 5 20	13 4 51
	○	27 23 42	27 21 36
	NOV.	11 18 4	11 15 30
	DEC.	11 6 48	11 2 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1085.		*d. h. m.*	*d. h. m.*
A.G. March. *d. h. m.* 31 7 32	JAN.	9 19 32	9 14 15
	FEB.	8 8 16	8 2 35
	MAR.	8 21 1	8 15 49
	APRIL	7 9 45	7 6 8
	○	22 4 7	22 10 17
	MAY	6 22 29	6 21 6
	JUNE	5 11 13	5 12 30
	JULY	4 23 57	5 8 35
	AUG.	3 12 41	3 17 51
	SEPT.	2 1 25	2 7 5
	OCT.	1 14 9	1 19 26
		31 2 53	31 7 5
	NOV.	29 15 37	29 18 14
	DEC.	29 4 21	29 4 55
1084. F.	JAN.	27 17 5	27 15 12
	FEB.	26 5 49	26 1 25
	○	13 0 11	13 18 51
31 13 21	MAR.	27 18 34	27 12 10
	APRIL	26 7 18	26 0 1
	MAY	25 20 2	25 13 25
	JUNE	24 8 46	24 4 22
	JULY	23 21 30	23 20 11
	AUG.	22 10 14	22 12 38
	○	6 4 36	5 17 7
	SEPT.	20 22 58	21 4 27
	OCT.	20 11 42	20 19 14
	NOV.	19 0 26	19 8 40
	DEC.	18 13 10	18 20 39
1083. E.	JAN.	17 1 54	17 7 13
	FEB.	15 14 38	15 16 35
	○	2 9 0	2 17 56
31 19 10	MAR.	17 3 22	17 1 14
	APRIL	15 16 6	15 9 56
	MAY	15 4 50	14 19 35
	JUNE	13 17 34	13 7 6
	JULY	13 6 18	12 20 54
	AUG.	11 19 2	11 12 57
	○	26 13 24	26 8 52
	SEPT.	10 7 46	10 6 29
	OCT.	9 20 30	10 0 24
	NOV.	8 9 14	8 17 30
	DEC.	7 21 58	8 8 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1082. D.	JAN.	6 10 42	6 22 2
	FEB.	4 23 26	5 8 52
	○	19 17 48	19 17 53
April. d. h. m. 1 0 58	MAR.	6 12 11	6 17 50
	APRIL	5 0 55	5 1 32
	MAY	4 18 39	4 8 52
	JUNE	3 2 23	2 16 53
	JULY	2 15 7	2 2 40
		1 8 51	31 15 4
	AUG. ○	15 22 13	16 0 59
		30 16 35	30 6 23
	SEPT.	29 5 19	29 0 10
	OCT.	28 18 3	28 19 16
	NOV.	27 6 47	27 14 7
	DEC.	26 19 31	27 7 16
1081. C.B. March. 31 6 47	JAN.	25 8 15	25 21 46
	FEB.	23 20 59	24 9 22
	MAR.	24 9 44	24 18 29
	APRIL	22 22 28	23 1 52
	MAY	22 11 12	22 8 35
	JUNE	20 23 56	20 15 40
	JULY	20 12 40	20 0 16
	AUG.	19 1 24	18 11 22
	SEPT.	17 14 8	17 1 31
	OCT.	17 2 52	16 18 35
	NOV.	15 15 36	15 13 41
	DEC.	15 4 20	15 9 14
	○	29 22 42	29 20 39
1080. A. 31 12 36	JAN.	13 17 4	14 3 35
	FEB.	12 5 48	12 19 25
	MAR.	13 18 32	14 8 8
	APRIL	12 7 16	12 18 1
	MAY	11 20 0	12 1 49
	JUNE	10 8 44	10 8 38
	○	25 3 6	25 1 56
	JULY	9 21 28	9 15 34
	AUG.	8 10 12	7 23 40
	SEPT.	6 22 56	6 9 52
	OCT.	6 11 40	5 22 45
	NOV.	5 0 24	4 14 29
	DEC.	4 13 8	4 8 28
	○	19 7 30	19 12 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1079. G. March. d. h. m. 31 18 25	JAN.	3 1 52	3 3 29
	FEB.	1 14 36	1 22 4
	MAR.	3 3 21	3 14 48
	APRIL	1 16 5	2 4 49
	MAY	1 4 49	1 16 2
		30 17 33	31 0 59
	○	14 11 55	14 3 7
	JUNE	29 6 17	29 8 40
	JULY	28 19 1	28 16 10
	AUG.	27 7 45	27 0 26
	SEPT.	25 20 29	25 10 17
	OCT.	25 9 13	24 22 9
	NOV.	23 21 57	23 12 14
	○	8 16 19	9 2 28
	DEC.	23 10 41	23 4 18
1078. F. April. 1 0 14	JAN.	21 23 25	21 21 42
	FEB.	20 12 9	20 15 25
	MAR.	22 0 53	22 8 16
	APRIL	20 13 37	20 23 21
	MAY	20 2 21	20 12 12
	○	3 20 43	3 10 13
	JUNE	18 15 5	18 22 56
	JULY	18 3 49	18 8 14
	AUG.	16 16 33	16 16 59
	SEPT.	15 5 17	15 2 4
	OCT.	14 18 1	14 12 8
	NOV.	13 6 45	12 23 15
	DEC.	12 19 29	12 11 47
1077. E.D. March. 31 6 8	JAN.	11 8 13	11 1 33
	FEB.	9 20 57	9 16 39
	MAR.	10 9 42	10 8 31
	APRIL	8 22 26	9 0 36
	○	23 16 48	23 17 21
	MAY	8 11 10	8 16 9
	JUNE	6 23 54	7 6 32
	JULY	6 12 38	6 19 25
	AUG.	5 1 22	5 6 56
	SEPT.	3 14 6	3 17 36
	OCT.	3 2 50	3 4 1
	NOV.	1 15 34	1 14 35
	DEC.	1 4 18	1 1 28
	○	30 17 2	30 12 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1076. C. March. d. h. m. 31 11 51	JAN.	29 5 46	29 0 25
	FEB.	27 18 31	27 12 52
	MAR.	29 7 15	29 2 19
	○	13 1 37	13 10 19
	APRIL	27 19 59	27 16 47
	MAY	27 8 43	27 8 0
	JUNE	25 21 27	25 23 24
	JULY	25 10 11	25 14 21
	AUG.	23 22 55	24 4 24
	SEPT.	22 11 39	22 17 29
	○	7 6 1	6 17 43
	OCT.	22 0 23	22 5 42
	NOV.	20 13 7	20 17 12
	DEC.	20 1 51	20 4 5
1075. B. 31 17 40	JAN.	18 14 35	18 14 24
	FEB.	17 3 19	17 0 22
	MAR.	18 16 3	18 10 29
	○	2 10 25	2 23 26
	APRIL	17 4 47	16 21 26
	MAY	16 17 31	16 9 50
	JUNE	15 6 15	14 23 58
	JULY	14 18 59	14 15 36
	AUG.	13 7 43	13 8 3
	SEPT.	11 20 27	12 0 27
	○	26 14 49	26 2 48
	OCT.	11 9 11	11 16 5
	NOV.	9 21 55	10 6 26
	DEC.	9 10 39	9 19 14
1074. A. 31 23 29	JAN.	7 23 23	8 6 26
	FEB.	6 12 7	6 16 13
	MAR.	8 0 52	8 0 58
	APRIL	6 13 36	6 9 19
	MAY	6 2 20	5 18 9
	JUNE	4 15 4	4 4 31
	JULY	4 3 48	3 17 7
	AUG.	2 16 32	2 8 10
	SEPT.	1 5 16	1 1 13
		30 18 0	30 19 18
	OCT.	30 6 44	30 13 12
	NOV.	28 19 28	29 5 42
	DEC.	28 8 12	28 20 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1073. G.F. March. d. h. m. 31 5 18	JAN.	26 20 56	27 7 56
	○	10 15 18	10 13 6
	FEB.	25 9 40	25 17 38
	MAR.	25 22 25	26 1 42
	APRIL	24 11 9	24 8 56
	MAY	23 23 53	23 16 22
	JUNE	22 12 37	22 1 5
	JULY	22 1 21	21 12 7
	○	5 19 43	6 0 7
	AUG.	20 14 5	20 2 2
	SEPT.	19 2 49	18 18 47
	OCT.	18 15 33	18 13 32
	NOV.	17 4 17	17 8 50
	DEC.	16 17 1	17 3 4
1072. E. 31 11 7	JAN.	15 5 45	15 18 58
	○	30 0 7	29 18 13
	FEB.	13 18 29	14 7 56
	MAR.	15 7 13	15 18 6
	APRIL	13 19 57	14 2 7
	MAY	13 8 41	13 8 57
	JUNE	11 21 25	11 15 42
	JULY	11 10 9	10 23 27
	○	26 4 31	26 10 9
	AUG.	9 22 53	9 9 15
	SEPT.	8 11 37	7 21 56
	OCT.	8 0 21	7 13 40
	NOV.	6 13 5	6 7 57
	DEC.	6 1 49	6 3 29
1071. D. 31 16 56	JAN.	4 14 33	4 22 36
	○	19 8 55	19 6 17
	FEB.	3 3 17	3 15 43
	MAR.	4 16 2	5 5 57
	APRIL	3 4 46	3 17 6
	MAY	2 17 30	3 1 48
	JUNE	1 6 14	1 9 10
		30 18 58	30 15 48
	○	15 13 20	15 13 10
	JULY	30 7 42	29 23 19
	AUG.	28 20 26	28 8 29
	SEPT.	27 9 10	26 20 4
	OCT.	26 21 54	26 10 26
	NOV.	25 10 38	25 3 20
	DEC.	24 23 22	24 21 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1070. C. March. d. h. m. 31 22 44		d. h. m.	d. h. m.
	JAN.	23 12 6	23 16 44
	FEB.	22 0 51	22 10 24
	MAR.	23 13 35	24 1 44
	APRIL	22 2 19	22 14 18
	MAY	21 15 3	22 0 19
	JUNE	20 3 47	20 8 37
	JULY	19 16 31	19 16 13
	AUG.	18 5 15	18 0 12
	SEPT.	16 17 59	16 9 21
	OCT.	16 6 43	15 20 15
	NOV.	14 19 27	14 9 13
	○	29 13 49	30 0 1
	DEC.	14 8 11	14 0 14
1069. B.A. 31 4 33	JAN.	12 20 55	12 16 50
	FEB.	11 9 39	11 10 17
	MAR.	11 22 23	12 3 30
	APRIL	10 11 7	10 19 27
	MAY	9 23 51	10 9 26
	○	24 18 13	24 9 4
	JUNE	8 12 35	8 21 17
	JULY	8 1 19	8 7 23
	AUG.	6 14 3	6 16 32
	SEPT.	5 2 47	5 1 37
	OCT.	4 15 31	4 11 16
	NOV.	3 4 15	2 21 56
	○	17 22 37	18 5 45
	DEC.	2 16 59	2 9 45
			31 22 45
1068. G. 31 10 22	JAN.	1 5 43	30 12 57
		30 18 27	
	FEB.	...	...
	MAR.	1 7 12	1 4 10
		30 19 56	30 19 57
	APRIL	29 8 40	29 11 44
	○	14 3 2	14 0 29
	MAY	28 21 24	29 2 47
	JUNE	27 10 8	27 16 35
	JULY	26 22 52	27 5 0
	AUG.	25 11 36	25 16 18
	SEPT.	24 0 20	24 3 3
	OCT.	23 13 4	23 13 42
	○	7 7 26	7 5 31
	NOV.	22 1 48	22 0 29
	DEC.	21 14 32	21 11 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1067. F. March. d. h. m. 31 16 11		d. h. m.	d. h. m.
	JAN.	20 3 16	19 22 42
	FEB.	18 16 0	18 10 28
	MAR.	20 4 45	19 23 5
	APRIL	18 17 29	18 12 48
	○	3 11 51	3 17 46
	MAY	18 6 13	18 3 34
	JUNE	16 18 57	16 18 59
	JULY	16 7 41	16 10 22
	AUG.	14 20 25	15 1 11
	SEPT.	13 9 9	13 15 3
	OCT.	12 21 53	13 3 56
	NOV.	11 10 37	11 15 59
	DEC.	10 23 21	11 3 11
1066. E. 31 22 0	JAN.	9 12 5	9 13 41
	FEB.	8 0 49	7 23 33
	MAR.	9 13 33	9 9 16
	○	24 7 55	24 21 9
	APRIL	8 2 17	7 19 27
	MAY	7 15 1	7 6 51
	JUNE	6 3 45	5 20 1
	JULY	5 16 29	5 10 57
	AUG.	4 5 13	4 3 13
	SEPT.	2 17 57	2 20 0
	○	17 12 19	17 1 24
	OCT.	2 6 41	2 12 23
		31 19 25	
	NOV.	30 8 9	1 3 41
			30 17 24
	DEC.	29 20 53	30 5 25
1065. D.C. 31 3 48	JAN.	28 9 37	28 15 45
	FEB.	26 22 21	27 0 44
	○	12 16 43	13 0 58
	MAR.	27 11 6	27 8 59
	APRIL	25 23 50	25 17 16
	MAY	25 12 34	25 2 36
	JUNE	24 1 18	23 13 57
	JULY	23 14 2	23 3 47
	AUG.	22 2 46	21 20 3
	○	5 21 8	5 17 11
	SEPT.	20 15 30	20 13 58
	OCT.	20 4 14	20 8 20
	NOV.	18 16 58	19 1 10
	DEC.	18 5 42	18 17 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1064. B. March. *d. h. m.* 31 9 37	JAN.	16 18 26	17 6 30
	FEB.	15 7 10	15 17 8
	○	2 1 32	2 1 4
	MAR.	16 19 54	17 1 46
	APRIL	15 8 38	15 9 9
	MAY	14 21 22	14 16 14
	JUNE	13 10 6	13 0 6
	JULY	12 22 50	12 9 52
	AUG.	11 11 34	10 22 20
	○	26 5 56	26 9 0
	SEPT.	10 0 18	9 13 50
	OCT.	9 13 2	9 7 51
	NOV.	8 1 46	8 3 11
	DEC.	7 14 30	7 22 14
1063. A. 31 15 26	JAN.	6 3 14	6 15 25
	FEB.	4 15 58	5 5 49
	MAR.	6 4 43	6 17 16
	APRIL	4 17 27	5 2 8
	MAY	4 6 11	4 9 22
	JUNE	2 18 55	2 16 0
	JULY	2 7 39	1 23 7
		31 20 23	31 7 51
	AUG.	30 9 7	29 19 6
	SEPT.	28 21 51	28 9 23
	OCT.	28 10 35	28 2 33
	NOV.	26 23 19	26 21 39
	DEC.	26 12 3	26 17 8
1062. G. 31 21 15	○	10 6 25	10 5 20
	JAN.	25 0 47	25 11 20
	FEB.	23 13 31	24 3 0
	MAR.	25 2 16	25 15 36
	APRIL	23 15 0	24 1 23
	MAY	23 3 44	23 9 12
	JUNE	21 16 28	21 16 7
	○	6 10 50	6 8 32
	JULY	21 5 12	20 23 17
	AUG.	19 17 56	19 7 38
	SEPT.	18 6 40	17 18 4
	OCT.	17 19 24	17 7 4
	NOV.	16 8 8	15 22 45
	DEC.	15 20 52	15 16 30
	○	30 15 14	30 21 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 1061. F.E. March. *d. h. m.* 31 3 4	JAN.	14 9 36	14 11 13
	FEB.	12 22 20	13 5 28
	MAR.	13 11 4	13 21 56
	APRIL	11 23 48	12 11 51
	MAY	11 12 32	11 23 7
	JUNE	10 1 16	10 8 14
	○	24 19 38	24 9 50
	JULY	9 14 0	9 16 13
	AUG.	8 2 44	8 0 4
	SEPT.	6 15 28	6 8 44
	OCT.	6 4 12	5 18 50
	NOV.	4 16 56	4 6 48
	DEC.	4 5 40	3 20 43
	○	19 0 2	19 11 7
1060. D. 31 8 53	JAN.	2 18 24	2 12 24
	FEB.	1 7 8	1 5 17
	MAR.	2 19 53	2 22 31
	APRIL	1 8 37	1 15 3
		30 21 21	1 6 3
	MAY	30 10 5	30 19 3
	○	14 4 27	13 17 19
	JUNE	28 22 49	29 6 6
	JULY	28 11 33	28 15 51
	AUG.	27 0 17	27 1 6
	SEPT.	25 13 1	25 10 37
	OCT.	25 1 45	24 20 53
	NOV.	23 14 29	23 8 7
	DEC.	23 3 13	22 20 25
1059. C. 31 14 41	JAN.	21 15 57	21 9 46
	FEB.	20 4 41	20 0 11
	MAR.	21 17 26	21 15 29
	APRIL	20 6 10	20 7 11
	MAY	19 18 54	19 22 39
	JUNE	18 7 38	18 13 13
	JULY	17 20 22	18 2 32
	AUG.	16 9 6	16 14 37
	SEPT.	14 21 50	15 1 51
	OCT.	14 10 34	14 12 44
	NOV.	12 23 18	12 23 32
	DEC.	12 12 2	12 10 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1058. B. March. d. h. m. 31 20 30		d. h. m.	d. h. m.
	JAN. .	11 0 46	10 21 21
	FEB. .	9 13 30	9 8 33
	MAR. .	11 2 14	10 20 23
	APRIL	9 14 58	9 9 15
	○	24 9 20	24 17 46
	MAY .	9 8 42	8 23 20
	JUNE .	7 16 26	7 14 27
	JULY .	7 5 10	7 6 2
	AUG. .	5 17 54	5 21 24
	SEPT. .	4 6 33	4 12 4
	OCT. .	8 19 22	4 1 45
	○	18 13 44	18 1 52
	NOV. .	2 8 6	2 14 24
	DEC. .	1 20 50	2 2 7
		31 9 34	31 12 55
1057. A.G. 31 2 19	JAN. .	29 22 18	29 22 54
	FEB. .	28 11 2	28 8 24
	MAR. .	28 23 47	28 17 59
	○	12 18 9	13 6 39
	APRIL	27 12 31	27 4 28
	MAY .	27 1 15	26 16 33
	JUNE .	25 13 59	25 6 34
	JULY .	25 2 43	24 22 21
	AUG. .	23 15 27	23 15 11
	SEPT. .	22 4 11	22 8 9
	○	6 22 33	6 11 17
	OCT. .	21 16 55	22 0 21
	NOV. .	20 5 39	20 15 4
	DEC. .	19 18 23	20 4 1
1056. F. 31 8 8	JAN. .	18 7 7	18 15 5
	FEB. .	16 19 51	17 0 32
	MAR. .	18 8 36	18 8 52
	APRIL	16 21 20	16 16 48
	MAY .	16 10 4	16 1 19
	JUNE .	14 22 48	14 11 28
	JULY .	14 11 32	14 0 1
	AUG. .	13 0 16	12 15 11
	SEPT. .	11 13 0	11 8 33
	OCT. .	11 1 44	11 3 5
	NOV. .	9 14 28	9 21 21
	DEC. .	9 3 12	9 14 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1055. E. March. d. h. m. 31 13 57		d. h. m.	d. h. m.
	JAN. .	7 15 56	8 4 30
	FEB. .	6 4 40	6 16 15
	○	20 23 2	20 20 30
	MAR. .	7 17 24	8 1 40
	APRIL	6 6 8	6 9 25
	MAY .	5 18 52	5 16 23
	JUNE .	4 7 36	3 23 40
	JULY .	3 20 20	3 8 20
		2 9 4	1 19 24
	AUG. ○	17 3 26	17 7 55
		31 21 48	31 9 27
	SEPT. .	30 10 32	30 2 26
	OCT. .	29 23 16	29 21 24
	NOV. .	28 12 0	28 16 53
	DEC. .	28 0 44	28 11 9
1054. D. 31 19 46	JAN. .	26 13 28	27 3 0
	○	10 7 50	10 2 10
	FEB. .	25 2 12	25 15 49
	MAR. .	26 14 57	27 1 48
	APRIL	25 3 41	25 9 40
	MAY .	24 16 25	24 16 24
	JUNE .	23 5 9	22 23 11
	JULY .	22 17 53	22 7 2
	○	6 12 15	6 17 24
	AUG. .	21 6 37	20 17 2
	SEPT. .	19 19 21	19 5 50
	OCT. .	19 8 5	18 21 40
	NOV. .	17 20 49	17 15 58
	DEC. .	17 9 33	17 11 25
1053. C.B. 31 1 34	JAN. .	15 22 17	16 6 21
	○	30 16 39	30 14 45
	FEB. .	14 11 1	14 23 18
	MAR. .	14 23 45	15 13 22
	APRIL	13 12 29	14 0 23
	MAY .	13 1 13	13 9 8
	JUNE .	11 13 57	11 16 25
	JULY .	11 2 41	10 23 26
	○	25 21 3	25 19 56
	AUG. .	9 15 25	9 7 12
	SEPT. .	8 4 9	7 14 39
	OCT. .	7 16 53	7 4 25
	NOV. .	6 5 37	5 18 47
	DEC. .	5 18 21	5 11 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1052. A. March. d. h. m. 31 7 23	JAN.	4 7 5	4 5 43
	FEB.	2 19 49	3 0 11
	MAR.	4 8 34	4 17 33
	APRIL	2 21 18	3 8 43
	MAY	2 10 2	2 21 17
		31 22 46	1 7 28
	JUNE	30 11 30	30 16 2
	JULY	30 0 14	30 0 0
	AUG.	28 12 58	28 8 22
	SEPT.	27 1 42	26 17 51
	OCT.	26 14 26	26 4 56
	NOV.	25 3 10	24 17 51
	○	9 21 32	10 8 35
	DEC.	24 15 54	24 8 31
1051. G. 31 13 12	JAN.	23 4 38	23 0 38
	FEB.	21 17 22	21 17 33
	MAR.	23 6 7	23 10 21
	APRIL	21 18 51	22 2 8
	MAY	21 7 35	21 16 10
	○	5 1 57	4 16 17
	JUNE	19 20 19	20 4 18
	JULY	19 9 3	19 14 50
	AUG.	17 21 47	18 0 29
	SEPT.	16 10 31	16 10 2
	OCT.	15 23 15	15 20 1
	NOV.	14 11 59	14 6 50
	○	29 6 21	29 13 54
	DEC.	14 0 43	13 18 31
1050. F. 31 19 1	JAN.	12 13 27	12 7 8
	FEB.	11 2 11	10 20 45
	MAR.	12 14 55	12 11 19
	APRIL	11 3 39	11 2 39
	MAY	10 16 23	10 18 3
	○	25 10 45	25 7 53
	JUNE	9 5 7	9 9 20
	JULY	8 17 51	8 23 28
	AUG.	7 6 35	7 12 24
	SEPT.	5 19 19	6 0 19
	OCT.	5 8 3	5 11 34
	NOV.	3 20 47	3 22 34
	○	18 15 9	18 13 30
	DEC.	3 9 31	3 9 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1049. E.D. March. d. h. m. 31 0 50	JAN.	1 22 16	1 20 15
		31 11 0	31 7 4
	FEB.	29 23 44	29 18 14
	MAR.	30 12 28	30 6 15
	APRIL	29 1 12	28 19 30
	○	18 19 34	14 1 10
	MAY	28 13 56	28 10 2
	JUNE	27 2 40	27 1 30
	JULY	26 15 24	26 17 14
	AUG.	25 4 8	25 8 35
	SEPT.	23 16 52	23 23 4
	OCT.	23 5 36	23 12 31
	NOV.	21 18 20	22 0 50
	DEC.	21 7 4	21 12 5
1048. C. 31 6 39	JAN.	19 19 48	19 22 19
	FEB.	18 8 32	18 7 47
	MAR.	19 21 17	19 16 59
	○	3 15 39	4 4 19
	APRIL	18 10 1	18 2 40
	MAY	17 22 45	17 13 41
	JUNE	16 11 29	16 2 39
	JULY	16 0 13	15 17 38
	AUG.	14 12 57	14 10 13
	SEPT.	13 1 41	13 3 29
	○	27 20 3	27 9 52
	OCT.	12 14 25	12 20 27
	NOV.	11 3 9	11 12 11
	DEC.	10 15 53	11 2 8
1047. B. 31 12 28	JAN.	9 4 37	9 14 6
	FEB.	7 17 21	8 0 11
	MAR.	9 6 5	9 8 48
	○	24 0 27	24 7 51
	APRIL	7 18 49	7 16 36
	MAY	7 7 33	7 0 33
	JUNE	5 20 17	5 9 39
	JULY	5 9 1	4 20 53
	AUG.	3 21 45	3 10 47
	SEPT.	2 10 29	2 3 17
	○	17 4 51	17 1 37
	OCT.	1 23 13	1 21 34
		31 11 57	31 16 21
	NOV.	30 0 41	30 10 7
	DEC.	29 13 25	30 1 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1046. A.	JAN.	28 2 9	28 14 50
	FEB.	26 14 53	27 1 13
March. d. h. m. 31 18 16	○	13 9 15	13 8 6
	MAR.	28 3 38	28 9 34
	APRIL	26 16 22	26 16 42
	MAY	26 5 6	25 23 36
	JUNE	24 17 50	24 7 24
	JULY	24 6 34	23 17 12
	AUG.	22 19 18	22 5 47
	○	6 13 40	6 17 9
	SEPT.	21 8 2	20 21 28
	OCT.	20 20 46	20 15 41
	NOV.	19 9 30	19 11 11
	DEC.	18 22 14	19 6 17
1045. G.F.	JAN.	17 10 58	17 23 27
	FEB.	15 23 42	16 18 43
31 0 5	MAR.	16 12 27	17 0 59
	APRIL	15 1 11	15 9 42
	MAY	14 13 55	14 16 49
	JUNE	13 2 39	12 23 27
	JULY	12 15 23	12 6 42
	AUG.	11 4 7	10 15 36
	SEPT.	9 16 51	9 8 1
	OCT.	9 5 35	8 17 26
	NOV.	7 18 19	7 10 37
	DEC.	7 7 3	7 5 38
1044. E.	JAN.	5 19 47	6 0 56
	○	20 14 9	20 13 57
	FEB.	4 8 31	4 18 57
31 5 54	MAR.	5 21 15	6 10 25
	APRIL	4 9 59	4 22 55
	MAY	3 22 43	4 8 40
	JUNE	2 11 27	2 16 34
	JULY ○	2 0 11	1 23 40
		16 18 33	16 15 11
		31 12 55	31 7 5
	AUG.	30 1 39	29 15 45
	SEPT.	28 14 23	28 2 23
	OCT.	28 3 7	27 15 30
	NOV.	26 15 51	26 7 2
	DEC.	26 4 35	26 0 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 1043. D.	○	9 22 57	10 6 2
	JAN.	24 17 19	24 18 48
March. d. h. m. 31 11 43	FEB.	23 6 8	23 12 41
	MAR.	24 18 48	25 4 57
	APRIL	23 7 32	23 18 47
	MAY	22 20 16	23 6 9
	JUNE	21 9 0	21 15 32
	○	6 3 22	5 16 37
	JULY	20 21 44	20 23 52
	AUG.	19 10 28	19 8 8
	SEPT.	17 23 12	17 17 9
	OCT.	17 11 56	17 3 31
	NOV.	16 0 40	15 15 32
	DEC.	15 13 24	15 5 18
	○	30 7 46	30 19 40
1042. C.	JAN.	14 2 8	13 20 27
	FEB.	12 14 52	12 12 46
31 17 32	MAR.	14 3 37	14 5 31
	APRIL	12 16 21	12 21 45
	MAY	12 5 5	12 12 41
	JUNE	10 17 49	11 1 53
	○	25 12 11	25 0 31
	JULY	10 6 33	10 13 21
	AUG.	8 19 17	8 23 36
	SEPT.	7 8 1	7 9 21
	OCT.	6 20 45	6 19 17
	NOV.	5 9 29	5 5 47
	DEC.	4 22 13	4 17 0
1041. B.A.	JAN.	3 10 57	3 4 59
	FEB.	1 23 41	1 17 49
30 23 21	MAR.	2 12 25	2 7 37
	APRIL	1 1 9	31 22 21
		30 13 53	30 13 42
	MAY	30 2 37	30 5 6
	JUNE	28 15 21	28 19 54
	JULY	28 4 5	28 9 42
	AUG.	26 16 49	26 22 22
	SEPT.	25 5 33	25 10 12
	OCT.	24 18 17	24 21 30
	NOV.	23 7 1	23 8 30
	DEC.	22 19 45	22 19 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1040. G. March. d. h. m. 31 5 9		d. h. m.	d. h. m.
	JAN.	21 8 29	21 5 53
	FEB.	19 21 13	19 16 33
	MAR.	21 9 58	21 3 48
	APRIL	19 22 42	19 16 9
	○	4 17 4	5 1 10
	MAY	19 11 26	19 5 52
	JUNE	18 0 10	17 20 56
	JULY	17 12 54	17 12 44
	AUG.	16 1 38	16 4 37
	SEPT.	14 14 22	14 19 53
	OCT.	14 3 6	14 10 8
	○	28 21 28	28 10 9
	NOV.	12 15 50	12 23 12
	DEC.	12 4 34	12 11 2
1039. F. 31 10 58	JAN.	10 17 18	10 21 41
	FEB.	9 6 2	9 7 18
	MAR.	10 18 46	10 16 18
	APRIL	9 7 30	9 1 23
	○	24 1 52	24 13 44
	MAY	8 20 14	8 11 26
	JUNE	7 8 58	6 23 16
	JULY	6 21 42	6 13 14
	AUG.	5 10 26	5 5 13
	SEPT.	3 23 10	3 22 29
	OCT.	3 11 54	3 15 59
	○	18 6 16	17 19 51
	NOV.	2 0 38	2 8 39
	DEC.	1 13 22	1 23 42
		31 2 6	31 12 41
1038. E. 31 16 47	JAN.	29 14 50	29 23 34
	FEB.	28 3 35	28 8 42
	MAR.	29 16 19	29 16 37
	APRIL	28 5 3	28 0 12
	MAY	27 17 47	27 8 28
	JUNE	26 6 31	25 18 28
	JULY	25 19 15	25 7 1
	AUG.	24 7 59	23 22 22
	SEPT.	22 20 43	22 16 3
	OCT.	22 9 27	22 10 55
	NOV.	20 22 11	21 5 31
	DEC.	20 10 55	20 22 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1037. D.C. March. d. h. m. 30 22 35		d. h. m.	d. h. m.
	JAN.	18 23 39	19 12 48
	FEB.	17 12 23	18 0 24
	○	3 6 45	3 3 44
	MAR.	18 1 8	18 9 33
	APRIL	16 13 52	16 17 3
	MAY	16 2 36	15 23 50
	JUNE	14 15 20	14 7 0
	JULY	14 4 4	13 15 41
	AUG.	12 16 48	12 2 52
	○	27 11 10	27 15 50
	SEPT.	11 5 32	10 17 5
	OCT.	10 18 16	10 10 13
	NOV.	9 7 0	9 5 20
	DEC.	8 19 44	9 0 52
1036. B. 31 4 24	JAN.	7 3 28	7 19 10
	FEB.	5 21 12	6 10 53
	○	20 15 34	20 10 1
	MAR.	7 9 56	7 23 33
	APRIL	5 22 40	6 9 21
	MAY	5 11 24	5 17 6
	JUNE	4 0 8	3 23 51
	JULY	3 12 52	3 6 42
	AUG. ○	2 1 36	1 14 45
		16 19 58	17 0 44
		31 14 20	31 0 55
	SEPT.	30 3 4	29 13 53
	OCT.	29 15 48	29 5 47
	NOV.	28 4 32	27 23 59
	DEC.	27 17 16	27 19 15
1035. A. 31 10 13	JAN.	26 6 0	26 13 59
	○	10 0 22	9 23 4
	FEB.	24 18 44	25 6 44
	MAR.	26 7 29	26 20 40
	APRIL	24 20 13	25 7 42
	MAY	24 8 57	24 16 27
	JUNE	22 21 41	22 23 54
	JULY	22 10 25	22 7 10
	○	6 4 47	6 2 50
	AUG.	20 23 9	20 15 15
	SEPT.	19 11 53	19 0 58
	OCT.	19 0 37	18 12 52
	NOV.	17 13 21	17 3 12
	DEC.	17 2 5	16 19 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1034. G. March. d. h. m. 31 16 2		d. h. m.	d. h. m.
	JAN.	15 14 49	15 18 29
	FEB.	14 8 33	14 7 32
	MAR.	15 16 18	16 0 35
	APRIL	14 5 2	14 15 37
	MAY	13 17 46	14 4 13
	JUNE	12 6 30	12 14 37
	JULY	11 19 14	11 23 32
	AUG.	10 7 58	10 7 55
	SEPT.	8 20 42	8 16 41
	OCT.	8 9 26	8 2 29
	NOV.	6 22 10	6 13 43
	DEC.	6 10 54	6 2 29
	○	21 5 16	21 17 6
1033. F.E. 30 21 51	JAN.	4 23 38	4 16 47
	FEB.	3 12 22	3 8 21
	MAR.	4 1 6	4 0 42
	APRIL	2 13 50	2 17 5
	MAY	2 2 34	2 8 41
		31 15 18	31 22 51
	○	15 9 40	14 23 30
	JUNE	30 4 2	30 11 18
	JULY	29 16 46	29 22 20
	AUG.	28 5 30	28 8 31
	SEPT.	26 18 14	26 18 32
	OCT.	26 6 58	26 4 53
	NOV.	24 19 42	24 15 46
	○	9 14 4	9 22 0
	DEC.	24 8 26	24 3 15
1032. D. 31 8 40	JAN.	22 21 10	22 15 24
	FEB.	21 9 54	21 4 24
	MAR.	22 22 39	22 18 24
	APRIL	21 11 23	21 9 16
	MAY	21 0 7	21 0 39
	○	4 18 29	4 15 21
	JUNE	19 12 51	19 15 54
	JULY	19 1 35	19 6 25
	AUG.	17 14 19	17 19 56
	SEPT.	16 3 3	16 8 27
	OCT.	15 15 47	15 20 13
	NOV.	14 4 31	14 7 31
	○	28 22 53	28 21 27
	DEC.	13 17 15	13 18 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1031. C. March. d. h. m. 31 9 29		d. h. m.	d. h. m.
	JAN.	12 5 59	12 4 55
	FEB.	10 18 43	10 15 16
	MAR.	12 7 28	12 1 53
	APRIL	10 20 12	10 13 21
	MAY	10 8 56	10 2 10
	○	25 3 18	25 8 33
	JUNE	8 21 40	8 16 31
	JULY	8 10 24	8 8 5
	AUG.	6 23 8	7 0 14
	SEPT.	5 11 52	5 16 9
	OCT.	5 0 36	5 7 15
	NOV.	3 13 20	3 21 8
	DEC.	3 2 4	3 9 43
1030. B. 31 15 17	JAN.	1 14 48	1 20 55
		31 3 32	31 6 50
	FEB.	...	...
	MAR.	1 16 16	1 15 52
		31 5 0	31 0 35
	APRIL	29 17 44	29 9 49
	MAY	29 6 28	28 20 31
	JUNE	27 19 12	27 9 20
	JULY	27 7 56	27 0 27
	AUG.	25 20 40	25 17 20
	SEPT.	24 9 24	24 11 5
	○	9 3 46	8 18 26
	OCT.	28 22 8	24 4 32
	NOV.	22 10 52	22 20 40
	DEC.	21 23 36	22 10 46
1029. A.G. 30 21 26	JAN.	20 12 20	20 22 39
	FEB.	19 1 4	19 8 26
	MAR.	19 13 49	19 16 42
	○	3 8 11	3 14 39
	APRIL	18 2 33	18 0 10
	MAY	17 15 17	17 9 49
	JUNE	16 4 1	15 16 45
	JULY	15 16 45	15 8 57
	AUG.	14 5 29	13 17 58
	SEPT.	12 18 13	12 10 42
	○	27 12 35	27 10 10
	OCT.	12 6 57	12 5 18
	NOV.	10 19 41	11 0 23
	DEC.	10 8 25	10 18 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*			*d. h. m.*	*d. h. m.*
B.C. 1028. F. March. *d. h. m.* 31 2 55	JAN. .	8 21 9	9 10 6	**B.C. 1025.** C.B. March. *d. h. m.* 30 20 22	JAN. .	6 12 19	6 8 25
	FEB. .	7 9 58	7 23 0		○	21 6 41	21 14 40
	MAR. .	8 22 38	9 9 11		FEB. .	5 1 8	5 2 18
	○	23 17 0	23 15 4		MAR. .	5 13 47	5 19 45
	APRIL	7 11 22	7 17 17		APRIL	4 2 31	4 11 48
	MAY .	7 0 6	7 0 12		MAY .	3 15 15	4 1 37
	JUNE .	5 12 50	5 7 1		JUNE .	2 3 59	2 13 9
	JULY .	5 1 34	4 14 49			1 16 43	1 22 52
	AUG. .	3 14 18	3 0 40		JULY ○	16 11 5	15 23 31
	SEPT. .	2 3 2	1 13 15			31 5 27	31 7 36
	○	16 21 24	17 1 25		AUG. .	29 18 11	29 16 18
	OCT. .	1 15 46	1 5 14		SEPT. .	28 6 55	28 1 43
		31 4 30	30 23 34		OCT. .	27 19 39	27 12 19
	NOV. .	29 17 14	29 19 9		NOV. .	26 8 23	26 0 16
	DEC. .	29 5 58	29 14 15		DEC. .	25 21 7	25 13 39
1027. E. 31 8 44	JAN. .	27 18 42	28 7 19	**1024.** A. 31 2 10	○	9 15 29	10 4 6
	FEB. .	26 7 26	26 21 28		JAN. .	24 9 51	24 4 22
	MAR. .	27 20 10	28 8 32		FEB. .	22 22 35	22 20 7
	APRIL	26 8 54	26 17 9		MAR. .	24 11 20	24 12 22
	MAY .	25 21 38	26 0 15		APRIL	23 0 4	23 4 19
	JUNE .	24 10 22	24 6 58		MAY .	22 12 48	22 19 16
	JULY .	23 23 6	23 14 21		JUNE .	21 1 32	21 8 42
	AUG. .	22 11 50	21 23 28		○	5 19 54	5 7 45
	SEPT. .	21 0 34	20 11 5		JULY .	20 14 16	20 20 38
	OCT. .	20 13 18	20 1 35		AUG. .	19 8 0	19 7 25
	NOV. .	19 2 2	18 18 44		SEPT. .	17 15 44	17 17 33
	DEC. .	18 14 46	18 13 33		OCT. .	17 4 28	17 4 3
					NOV. .	15 17 12	15 14 44
1026. D. 31 14 33	JAN. .	17 3 30	17 8 36		DEC. .	15 5 56	15 1 51
	○	31 21 52	31 22 25				
	FEB. .	15 16 14	16 2 23	**1023.** G. 31 7 59	JAN. .	13 18 40	13 13 28
	MAR. .	17 4 59	17 17 42		FEB. .	12 7 24	12 1 44
	APRIL	15 17 43	16 6 7		MAR. .	13 20 9	13 14 56
	MAY .	15 6 27	15 15 55		APRIL	12 8 53	12 5 8
	JUNE .	13 19 11	13 23 57		MAY .	11 21 37	11 20 11
	JULY .	13 7 55	13 7 19		JUNE .	10 10 21	10 11 34
	○	28 2 17	27 21 56		JULY .	9 23 5	10 2 39
	AUG. .	11 20 39	11 15 2		AUG. .	8 11 49	8 16 58
	SEPT. .	10 9 23	10 0 1		SEPT. .	7 0 33	7 6 15
	OCT. .	9 22 7	9 10 53		OCT. .	6 13 17	6 18 40
	NOV. .	8 10 51	8 0 1		NOV. .	5 2 1	5 6 22
	DEC. .	7 23 35	7 15 22		DEC. .	4 14 45	4 17 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1022.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 31 13 48	JAN. .	3 3 29	3 4 6
	FEB. .	1 16 13	1 14 17
	MAR. .	3 4 57	3 0 26
	APRIL	1 17 41	1 11 6
			30 22 58
	MAY ○	1 6 25	
		16 0 47	16 8 30
		30 19 9	30 12 25
	JUNE .	29 7 53	29 3 27
	JULY .	28 20 37	28 19 33
	AUG. .	27 9 21	27 11 54
	SEPT. .	25 22 5	26 8 46
	OCT. .	25 10 49	25 18 34
	○	9 5 11	8 18 30
	NOV. .	23 23 33	24 7 58
	DEC. .	23 12 17	23 19 53
1021. E.D. 30 19 37	JAN. .	22 1 1	22 6 18
	FEB. .	20 13 45	20 15 32
	MAR. .	21 2 30	21 0 6
	APRIL	19 15 14	19 8 45
	○	4 9 36	4 20 41
	MAY .	19 3 58	18 18 26
	JUNE .	17 16 42	17 6 2
	JULY .	17 5 26	16 20 3
	AUG. .	15 18 10	15 12 14
	SEPT. .	14 6 54	14 5 54
	OCT. .	13 19 38	13 23 53
	○	28 14 0	23 4 35
	NOV. .	12 8 22	12 16 59
	DEC. .	11 21 6	12 8 16
1020. C. 31 1 26	JAN. .	10 9 50	10 21 14
	FEB. .	8 22 34	9 7 55
	MAR. .	10 11 19	10 16 44
	APRIL	9 0 3	9 0 19
	MAY .	8 12 47	8 7 36
	JUNE .	7 1 31	6 15 40
	JULY .	6 14 15	6 1 35
	AUG. .	5 2 59	4 14 11
	SEPT. .	3 15 43	3 5 43
	OCT. .	3 4 27	2 23 40
	NOV. .	1 17 11	1 18 50
	DEC. .	1 5 55	1 13 40
		30 18 39	31 6 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1019. B. March. *d. h. m.* 31 7 15		*d. h. m.*	*d. h. m.*
	JAN. .	29 7 23	29 21 0
	FEB. .	27 20 7	28 8 23
	MAR. .	29 8 51	29 17 18
	APRIL	27 21 35	28 0 35
	MAY .	27 10 19	27 7 15
	JUNE .	25 23 3	25 14 24
	JULY .	25 11 47	24 23 10
	AUG. .	24 0 31	23 10 28
	○	7 18 53	7 23 52
	SEPT. .	22 13 15	22 0 50
	OCT. .	22 1 59	21 18 6
	NOV. .	20 14 43	20 13 17
	DEC. .	20 3 27	20 8 49
1018. A. 31 13 3	JAN. .	18 16 11	19 3 1
	FEB. .	17 4 55	17 18 36
	○	3 23 17	3 17 44
	MAR. .	18 17 40	19 7 7
	APRIL	17 6 24	17 16 50
	MAY .	16 19 8	17 0 32
	JUNE .	15 7 52	15 7 21
	JULY .	14 20 36	14 14 20
	AUG. .	13 9 20	12 22 36
	○	28 3 42	28 8 12
	SEPT. .	11 22 4	11 9 0
	OCT. .	11 10 48	10 22 6
	NOV. .	9 23 32	9 13 58
	DEC. .	9 12 16	9 8 2
1017. G.F. 30 18 52	JAN. .	8 1 0	8 3 2
	FEB. .	6 13 44	6 21 28
	○	21 8 6	21 7 16
	MAR. .	7 2 29	7 14 1
	APRIL	5 15 13	6 3 49
	MAY .	5 3 57	5 14 51
	JUNE .	3 16 41	3 23 44
	JULY .	3 5 25	3 7 25
		1 18 9	1 15 0
	AUG. ○	16 12 31	16 9 51
		31 6 53	30 23 26
	SEPT. .	29 19 37	29 9 26
	OCT. .	29 8 21	28 21 28
	NOV. .	27 21 5	27 11 40
	DEC. .	27 9 49	27 3 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1016.		d. h. m.	d. h. m.
E. March. d. h. m. 81 0 41	JAN.	25 22 33	25 21 8
	FEB.	24 11 17	24 14 44
	MAR.	26 0 1	26 7 26
	APRIL	24 12 45	24 22 23
	MAY	24 1 29	24 11 6
	JUNE	22 14 13	22 21 47
	JULY	22 2 57	22 7 5
	AUG.	20 15 41	20 15 57
	SEPT.	19 4 25	19 1 8
	OCT.	18 17 9	18 11 15
	NOV.	17 5 53	16 22 32
	DEC.	16 18 37	16 11 6
	○	31 12 59	...
1015. D. 81 6 30	JAN.	...	1 1 30
		15 7 21	15 0 57
	FEB.	13 20 5	13 15 55
	MAR.	15 8 50	15 7 44
	APRIL	13 21 34	13 23 43
	MAY	13 10 18	13 15 13
	JUNE	11 23 2	12 5 32
	○	26 17 24	26 6 49
	JULY	11 11 46	11 18 23
	AUG.	10 0 30	10 5 56
	SEPT.	8 13 14	8 16 41
	OCT.	8 1 58	8 3 11
	NOV.	6 14 42	6 13 49
	DEC.	6 3 26	6 0 43
	○	20 21 48	21 6 8
1014. C. 81 12 19	JAN.	4 16 10	4 11 55
	FEB.	3 4 54	2 23 35
	MAR.	4 17 30	4 12 0
	APRIL	3 6 23	3 1 23
	MAY	2 19 7	2 15 51
	JUNE ○	1 7 51	1 7 5
		16 2 13	15 22 49
		30 20 35	30 22 31
	JULY	30 9 19	30 13 28
	AUG.	28 22 3	29 3 35
	SEPT.	27 10 47	27 16 42
	OCT.	26 23 31	27 4 57
	NOV.	25 12 15	25 16 29
	○	10 6 37	10 5 25
	DEC.	25 0 59	25 3 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1013.		d. h. m.	d. h. m.
B.A. March. d. h. m. 80 18 8	JAN.	23 13 43	23 13 30
	FEB.	22 2 27	21 23 23
	MAR.	22 15 11	22 9 25
	APRIL	21 3 55	20 20 22
	MAY	20 16 39	20 8 49
	○	4 11 1	4 15 55
	JUNE	19 5 23	18 23 4
	JULY	18 18 7	18 14 46
	AUG.	17 6 51	17 7 18
	SEPT.	15 19 35	15 23 48
	OCT.	15 8 19	15 15 28
	NOV.	13 21 3	14 5 47
	DEC.	13 9 47	13 18 30
1012. G. 80 23 56	JAN.	11 22 31	12 5 36
	FEB.	10 11 15	10 15 18
	MAR.	12 0 0	11 23 51
	APRIL	10 12 44	10 8 6
	MAY	10 1 28	9 16 59
	JUNE	8 14 12	8 3 25
	JULY	8 2 56	7 16 10
	AUG.	6 15 40	6 7 22
	SEPT.	5 4 24	5 0 36
	OCT.	4 17 8	4 18 48
	○	19 11 30	19 3 9
	NOV.	3 5 52	3 12 42
	DEC.	2 18 36	3 5 8
1011. F. 81 5 45	JAN.	1 7 20	1 19 19
		30 20 4	31 7 3
	FEB.	...	...
	MAR.	1 8 48	1 16 34
		30 21 32	31 0 29
	○	14 15 54	14 21 17
	APRIL	29 10 16	29 7 39
	MAY	28 23 0	28 15 5
	JUNE	27 11 44	26 23 55
	JULY	27 0 23	26 11 7
	AUG.	25 13 12	25 1 16
	SEPT.	24 1 56	23 18 13
	○	8 20 18	8 18 51
	OCT.	23 14 40	23 13 6
	NOV.	22 3 24	22 8 25
	DEC.	21 16 8	22 2 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1010. E. March. d. h. m. 31 11 34		d. h. m.	d. h. m.
	JAN. .	20 4 52	20 18 16
	FEB. .	18 17 36	19 7 0
	MAR. .	20 6 21	20 16 59
	○	4 0 43	3 21 53
	APRIL	18 19 5	19 0 52
	MAY .	18 7 49	18 7 39
	JUNE .	16 20 33	16 14 25
	JULY .	16 9 17	15 22 17
	AUG. .	14 22 1	14 8 18
	SEPT. .	13 10 45	12 21 11
	○	28 5 7	28 9 48
	OCT. .	12 23 29	12 13 8
	NOV. .	11 12 13	11 7 32
	DEC. .	11 0 57	11 3 6
1009. D.C. 30 17 23	JAN. .	9 13 41	9 22 5
	FEB. .	8 2 25	8 15 2
	MAR. .	8 15 10	9 5 2
	APRIL	7 3 54	7 15 59
	MAY .	6 16 38	7 0 34
	JUNE .	5 5 22	5 7 41
	JULY .	4 18 6	4 14 33
	AUG. .	3 6 50	2 22 10
	SEPT. .	1 19 34	1 7 33
	OCT. .	1 8 18	30 19 20
		30 21 2	30 9 53
	NOV. .	29 9 46	29 2 53
	DEC. .	28 22 30	28 21 27
1008. B. 30 23 12	JAN. .	27 11 14	27 16 11
	○	11 5 36	11 6 48
	FEB. .	25 23 58	26 9 40
	MAR. .	27 12 42	28 0 48
	APRIL	26 1 26	26 18 10
	MAY .	25 14 10	25 23 6
	JUNE .	24 2 54	24 7 21
	JULY .	23 15 33	23 15 1
	AUG. .	22 4 22	21 23 7
	SEPT. .	20 17 6	20 8 25
	OCT. .	20 5 50	19 19 30
	NOV. .	18 18 34	18 8 35
	DEC. .	18 7 18	17 23 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1007. A. March. d. h. m. 31 5 0		d. h. m.	d. h. m.
	JAN. .	16 20 2	16 16 16
	○	31 14 24	31 23 6
	FEB. .	15 8 46	15 9 37
	MAR. .	16 21 31	17 2 42
	APRIL	15 10 15	15 18 32
	MAY .	14 22 59	15 8 23
	JUNE .	13 11 43	13 20 10
	JULY .	13 0 27	13 6 16
	○	27 18 49	27 6 34
	AUG. .	11 13 11	11 15 28
	SEPT. .	10 1 55	10 0 39
	OCT. .	9 14 39	9 10 25
	NOV. .	8 3 23	7 21 1
	DEC. .	7 16 7	7 9 3
1006. G. 31 10 49	JAN. .	6 4 51	5 22 4
	○	20 23 18	21 12 26
	FEB. .	4 17 35	4 12 13
	MAR. .	6 6 20	6 3 22
	APRIL	4 19 4	4 19 6
	MAY .	4 7 48	4 10 49
	JUNE .	2 20 32	3 1 50
	JULY ○	2 9 16	2 15 35
		17 3 33	16 15 8
		31 22 0	1 4 1
	AUG. .	30 10 44	30 15 22
	SEPT. .	28 23 23	29 2 12
	OCT. .	28 12 12	28 12 55
	NOV. .	27 0 56	23 23 42
	DEC. .	26 13 40	26 10 41
1005. F.E. 30 16 38	JAN. .	25 2 24	24 21 52
	FEB. .	23 15 8	23 9 34
	MAR. .	24 3 52	23 22 8
	APRIL	22 16 36	22 11 50
	MAY .	22 5 20	22 2 33
	JUNE .	20 18 4	20 18 3
	JULY .	20 6 48	20 9 30
	AUG. .	18 19 32	19 0 20
	SEPT. .	17 8 16	17 14 15
	OCT. .	16 21 0	17 3 12
	NOV. .	15 9 44	15 15 12
	DEC. .	14 22 28	15 2 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1004.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 30 22 27	JAN. .	13 11 12	13 12 47
	FEB. .	11 23 56	11 22 34
	MAR. .	13 12 41	13 8 13
	APRIL	12 1 25	11 18 22
	MAY .	11 14 9	11 5 47
	○	26 8 31	26 15 49
	JUNE .	10 2 53	9 19 2
	JULY .	9 15 37	9 10 5
	AUG. .	8 4 21	8 2 28
	SEPT. .	6 17 5	6 19 20
	OCT. .	6 5 49	6 11 46
	NOV. .	4 18 33	5 3 5
	○	19 12 55	19 2 55
	DEC. .	4 7 17	4 16 44
1003. C. 31 4 16	JAN. .	2 20 1	3 4 38
	FEB. .	1 8 45	1 14 49
	MAR. .	2 21 30	2 23 41
	APRIL	1 10 14	1 7 48
		30 22 58	30 16 4
	○	15 17 20	16 8 46
	MAY .	30 11 42	30 1 27
	JUNE .	29 0 26	28 12 55
	JULY .	28 13 10	28 2 56
	AUG. .	27 1 54	26 19 23
	SEPT. .	25 14 38	25 13 27
	OCT. .	25 3 22	25 7 52
	○	8 21 44	8 13 22
	NOV. .	23 16 6	24 1 20
	DEC. .	23 4 50	23 16 46
1002. B. 31 10 5	JAN. .	21 17 34	22 5 41
	FEB. .	20 6 18	20 16 9
	MAR. .	21 19 2	22 0 37
	APRIL	20 7 46	20 7 53
	○	5 2 8	5 8 12
	MAY .	19 20 30	19 14 56
	JUNE .	18 9 14	17 22 53
	JULY .	17 21 58	17 8 48
	AUG. .	16 10 42	15 21 30
	SEPT. .	14 23 26	14 13 13
	OCT. .	14 12 10	14 7 24
	NOV. .	13 0 54	13 2 49
	DEC. .	12 13 38	12 21 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 1001.		*d. h. m.*	*d. h. m.*
A.G. March. *d. h. m.* 30 15 53	JAN. .	11 2 23	11 14 50
	FEB. .	9 15 7	10 5 1
	MAR. .	10 3 51	10 16 13
	APRIL	8 16 35	9 0 56
	MAY .	8 5 19	8 8 3
	JUNE .	6 18 3	6 14 41
	JULY .	6 6 47	5 21 55
	AUG. .	4 19 31	4 6 48
	SEPT. .	3 8 15	2 18 17
	○	18 2 37	18 8 2
	OCT. .	2 20 59	2 8 46
	NOV. .	1 9 43	1 2 6
		30 22 27	30 21 16
	DEC. .	30 11 11	30 16 42
1000. F. 30 21 42	JAN. .	28 23 56	29 10 44
	FEB. .	27 12 40	28 2 11
	○	14 7 2	14 1 23
	MAR. .	29 1 24	29 14 33
	APRIL	27 14 8	28 0 11
	MAY .	27 2 52	27 7 55
	JUNE .	25 15 36	25 14 51
	JULY .	25 4 20	24 22 5
	AUG. .	23 17 4	23 6 37
	○	7 11 26	7 15 47
	SEPT. .	22 5 48	21 17 15
	OCT. .	21 18 32	21 6 27
	NOV. .	20 7 16	19 22 15
	DEC. .	19 20 0	19 16 4
999. E. 31 3 31	JAN. .	18 8 44	18 10 42
	FEB. .	16 21 28	17 4 48
	○	3 15 50	3 15 20
	MAR. .	18 10 12	18 21 6
	APRIL	16 22 56	17 10 49
	MAY .	16 11 40	16 21 56
	JUNE .	15 0 24	15 7 0
	JULY .	14 13 8	14 15 1
	AUG. .	13 1 52	12 22 58
	○	27 20 14	27 17 0
	SEPT. .	11 14 36	11 7 46
	OCT. .	11 3 20	10 18 2
	NOV. .	9 16 4	9 6 7
	DEC. .	9 4 48	8 20 8

Mean Vernal Equinox	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 998.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.*	JAN. .	7 17 32	7 11 50
	FEB. .	6 6 16	6 4 40
31 9 20	MAR. .	7 19 1	7 21 48
	APRIL	6 7 45	6 14 12
	MAY .	5 20 29	6 5 4
	JUNE .	4 9 13	4 17 58
	JULY .	3 21 57	4 4 59
	AUG. .	2 10 41 31 23 25	2 14 46 1 0 7
	SEPT. .	30 12 9	30 9 45
	OCT. .	30 0 53	29 20 6
	NOV. .	28 13 37	28 7 24
	DEC. .	28 2 21	27 19 43
997. C.B.	○	11 20 43	12 9 47
	JAN. .	26 15 5	26 9 3
	FEB. .	25 3 49	24 23 24
30 15 9	MAR. .	25 16 34	25 14 39
	APRIL	24 5 18	24 6 18
	MAY .	23 18 2	23 21 42
	JUNE .	22 6 46	22 12 14
	○	7 1 8	6 14 14
	JULY .	21 19 30	22 1 32
	AUG. .	20 8 14	20 13 41
	SEPT. .	18 20 58	19 1 0
	OCT. .	18 9 42	18 11 56
	NOV. .	16 22 26	16 22 46
	DEC. .	16 11 10	16 9 37
	○	31 5 32	31 15 18
996. A.	JAN. .	14 23 54	14 20 31
	FEB. .	13 12 38	13 7 39
30 20 58	MAR. .	15 1 22	14 19 26
	APRIL	13 14 6	13 8 17
	MAY .	13 2 50	12 21 43
	JUNE .	11 15 34	11 18 32
	○	26 9 56	26 6 19
	JULY .	11 4 18	11 5 9
	AUG. .	9 17 2	9 20 36
	SEPT. .	8 5 46	8 11 19
	OCT. .	7 18 30	8 1 2
	NOV. .	6 7 14	6 13 43
	DEC. .	5 19 58	6 1 23
	○	20 14 20	20 13 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 995.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.*	JAN. .	4 8 42	4 12 5
	FEB. .	2 21 26	2 21 58
31 2 46	MAR. .	4 10 10	4 7 22
	APRIL	2 22 54	2 16 52
	MAY .	2 11 38	2 8 21
	JUNE ○	1 0 22 15 18 44 30 13 6	31 15 30 15 23 17 30 5 39
	JULY .	30 1 50	29 21 33
	AUG. .	28 14 34	28 14 31
	SEPT. .	27 3 18	27 7 33
	OCT. .	26 16 2	26 23 43
	NOV. .	25 4 46	25 14 26
	DEC. .	24 17 30	25 3 15
994. F.	JAN. .	23 6 15	23 14 12
	FEB. .	21 18 59	21 23 30
31 8 35	MAR. .	23 7 43	23 7 41
	APRIL	21 20 27	21 15 33
	MAY .	21 9 11	21 0 6
	JUNE .	19 21 55	19 10 22
	JULY .	19 10 39	18 23 4
	AUG. .	17 23 23	17 14 26
	SEPT. .	16 12 7	16 7 59
	OCT. .	16 0 51	16 2 37
	○	30 19 13	30 11 56
	NOV. .	14 13 35	14 20 52
	DEC. .	14 2 19	14 13 32
993. E.D.	JAN. .	12 15 3	13 3 45
	FEB. .	11 3 47	11 15 18
30 14 24	MAR. .	11 16 32	12 0 33
	APRIL	10 5 16	10 8 10
	○	24 23 33	25 3 52
	MAY .	9 13 0	9 15 6
	JUNE .	8 6 44	7 22 24
	JULY .	7 19 28	7 7 12
	AUG. .	6 8 12	5 18 27
	SEPT. .	4 20 56	4 8 46
	OCT. .	4 9 40	4 1 56
	○	19 4 2	19 3 39
	NOV. .	2 22 24	2 21 0
	DEC. .	2 11 3	2 16 28
		31 23 52	...
992.	JAN. .	...	1 10 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 992. C.	JAN.	...	1 10 38
		30 12 36	31 2 17
March. *d. h. m.* 30 20 13	FEB.	...	...
	MAR.	1 1 21	1 14 53
		30 14 5	31 0 33
	○	14 8 27	14 4 40
	APRIL	29 2 49	29 8 22
	MAY	28 15 33	28 15 5
	JUNE	27 4 17	26 21 55
	JULY	26 17 1	26 5 55
	AUG.	25 5 45	24 16 5
	SEPT.	23 18 29	23 5 8
	○	8 12 51	8 18 17
	OCT.	23 7 13	22 21 10
	NOV.	21 19 57	21 15 33
	DEC.	21 8 41	21 11 0
991. B.	JAN.	19 21 25	20 5 50
	FEB.	18 10 9	18 22 35
31 2 1	MAR.	19 22 53	20 12 25
	○	8 17 15	8 10 35
	APRIL	18 11 37	18 23 18
	MAY	18 0 21	18 7 52
	JUNE	16 13 5	16 15 8
	JULY	16 1 49	15 22 12
	AUG.	14 14 33	14 6 7
	SEPT.	13 3 17	12 15 45
	OCT.	12 16 1	12 3 41
	NOV.	11 4 45	10 13 14
	DEC.	10 17 29	10 11 1
990. A.	JAN.	9 6 13	9 5 14
	FEB.	7 18 57	7 23 35
	○	22 13 19	22 15 2
31 7 50	MAR.	9 7 42	9 16 47
	APRIL	7 20 26	8 7 47
	MAY	7 9 10	7 20 10
	JUNE	5 21 54	6 6 16
	JULY	5 10 38	5 14 49
	AUG.	3 23 22	3 22 52
	SEPT.	2 12 6	2 7 21
	OCT.	2 0 50	1 16 59
		31 13 34	31 4 12
	NOV.	30 2 18	29 17 13
	DEC.	29 15 2	29 7 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 989. G.F. March. *d. h. m.* 30 13 39	JAN.	28 8 46	28 0 1
	○	11 22 8	12 7 27
	FEB.	26 16 30	26 16 51
	MAR.	27 5 15	27 9 33
	APRIL	25 17 59	26 1 11
	MAY	25 6 43	25 15 7
	JUNE	23 19 27	24 8 12
	JULY	23 8 11	23 13 45
	○	7 2 33	6 13 45
	AUG.	21 20 55	21 23 27
	SEPT.	20 9 39	20 9 5
	OCT.	19 22 23	19 19 13
	NOV.	18 11 7	18 6 6
	DEC.	17 23 51	17 17 48
988. E.	JAN.	16 12 35	16 6 24
	○	31 6 57	31 20 36
	FEB.	15 1 19	14 19 57
30 19 28	MAR.	16 14 3	16 10 29
	APRIL	15 2 47	15 1 46
	MAY	14 15 31	14 17 17
	JUNE	13 4 15	13 8 22
	JULY	12 16 59	12 22 31
	○	27 11 21	26 22 38
	AUG.	11 5 43	11 11 28
	SEPT.	9 18 27	9 23 26
	OCT.	9 7 11	9 10 46
	NOV.	7 19 55	7 21 48
	DEC.	7 8 39	7 8 41
987. D.	JAN.	5 21 23	5 19 24
	FEB.	4 10 7	4 6 9
31 1 17	MAR.	5 22 52	5 17 17
	APRIL	4 11 36	4 5 15
	MAY	4 0 20	3 18 31
	JUNE	2 13 4	2 9 5
	JULY	2 1 48	2 0 36
		31 14 32	31 16 25
	AUG.	30 3 16	30 7 50
	SEPT.	28 16 0	28 22 22
	OCT.	28 4 44	23 11 49
	NOV.	26 17 28	27 0 7
	DEC.	26 6 12	26 11 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 986. C. March. *d. h. m.* 31 7 6	JAN.	24 18 56	24 21 25
	FEB.	23 7 40	23 6 46
	MAR.	24 20 25	24 15 53
	APRIL	23 9 9	23 1 30
	MAY	22 21 58	22 12 37
	○	6 16 15	6 23 6
	JUNE	21 10 37	21 1 40
	JULY	20 23 21	20 16 48
	AUG.	19 12 5	19 9 30
	SEPT.	18 0 49	18 2 54
	OCT.	17 13 33	17 19 53
	NOV.	16 2 17	16 11 36
	○	30 20 39	30 11 23
	DEC.	15 15 1	16 1 27
985. B.A. 30 12 54	JAN.	14 8 45	14 13 17
	FEB.	12 16 29	12 23 12
	MAR.	13 5 18	13 7 39
	APRIL	11 17 57	11 15 23
	MAY	11 6 41	10 23 19
	○	26 1 3	26 10 32
	JUNE	9 19 25	9 8 29
	JULY	9 8 9	8 19 52
	AUG.	7 20 53	7 9 59
	SEPT.	6 9 37	6 2 41
	OCT.	5 22 21	5 21 6
	NOV.	4 11 5	4 15 54
	○	19 5 27	18 22 11
	DEC.	3 23 49	4 9 37
984. G. 30 18 43	JAN.	2 12 33	3 1 9
	FEB.	1 1 18	1 14 0
	MAR.	2 14 2	3 0 12
	APRIL	1 2 46	1 8 23
		30 15 30	30 15 24
	○	15 9 52	15 13 30
	MAY	30 4 14	29 22 19
	JUNE	28 16 58	28 6 13
	JULY	28 5 42	27 16 11
	AUG.	26 18 26	26 4 59
	SEPT.	25 7 10	24 20 58
	OCT.	24 19 54	24 15 15
	NOV.	23 8 38	23 10 48
	DEC.	22 21 22	23 5 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 983. F. March. *d. h. m.* 31 0 32	JAN.	21 10 6	21 22 48
	FEB.	19 22 50	20 12 52
	MAR.	21 11 34	21 23 53
	APRIL	20 0 18	20 8 26
	MAY	19 13 2	19 15 30
	JUNE	18 1 46	17 22 9
	JULY	17 14 30	17 5 30
	AUG.	16 3 14	15 14 34
	SEPT.	14 15 58	14 2 13
	OCT.	14 4 42	13 16 50
	NOV.	12 17 26	12 10 10
	DEC.	12 6 10	12 5 12
982. E. 31 6 21	JAN.	10 18 54	11 0 27
	FEB.	9 7 38	9 18 17
	MAR.	10 20 23	11 9 33
	○	25 14 45	25 8 53
	APRIL	9 9 7	9 21 49
	MAY	8 21 51	9 7 28
	JUNE	7 10 35	7 15 17
	JULY	6 23 19	6 22 26
	AUG.	5 12 3	5 5 57
	SEPT.	4 0 47	3 14 45
	○	18 19 9	18 23 19
	OCT.	3 13 31	3 1 37
	NOV.	2 2 15	1 14 53
	DEC.	1 14 59	1 6 32
		31 3 43	31 0 0
981. D.C. 30 12 10	JAN.	29 16 27	29 18 15
	FEB.	28 5 11	28 12 0
	○	13 23 33	13 23 16
	MAR.	28 17 56	29 4 4
	APRIL	27 6 40	27 17 46
	MAY	26 19 24	27 4 59
	JUNE	25 8 8	25 14 40
	JULY	24 20 52	24 22 43
	AUG.	23 9 36	23 7 4
	○	7 3 59	7 0 20
	SEPT.	21 22 20	21 16 14
	OCT.	21 11 4	21 2 44
	NOV.	19 23 48	19 14 51
	DEC.	19 12 32	19 4 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 980.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 30 17 59	JAN. .	18 1 16	17 19 49
	FEB. .	16 14 0	16 12 5
	MAR. .	18 2 44	18 4 43
	APRIL	16 15 28	16 20 50
	MAY .	16 4 12	16 11 41
	JUNE .	14 16 56	15 0 47
	JULY .	14 5 40	14 12 14
	AUG. .	12 18 24	12 22 33
	SEPT. .	11 7 8	11 8 23
	OCT. .	10 19 52	10 18 26
	NOV. .	9 8 36	9 5 0
	DEC. .	8 21 20	8 16 16
979. A. 30 23 47	JAN. .	7 10 4	7 4 14
	○	22 4 26	22 17 55
	FEB. .	5 22 48	5 17 1
	MAR. .	7 11 33	7 6 47
	APRIL	6 0 17	5 21 27
	MAY .	5 13 1	5 12 46
	JUNE .	4 1 45	4 4 9
	JULY .	3 14 29	3 18 57
	○	18 8 51	17 21 43
	AUG. .	2 3 13	2 8 46
		31 15 57	31 21 30
	SEPT. .	30 4 41	30 9 23
	OCT. .	29 17 25	29 20 45
	NOV. .	28 6 9	28 7 46
	DEC. .	27 18 53	27 18 29
978. G. 31 5 26	○	11 13 15	11 21 50
	JAN. .	26 7 37	26 4 59
	FEB. .	24 20 21	24 15 35
	MAR. .	26 9 6	26 2 47
	APRIL	24 21 50	24 15 8
	MAY .	24 10 34	24 4 55
	JUNE .	22 23 18	22 20 2
	○	7 17 40	7 13 55
	JULY .	22 12 2	22 11 55
	AUG. .	21 0 46	21 3 52
	SEPT. .	19 13 30	19 19 10
	OCT. .	19 2 14	19 9 28
	NOV. .	17 14 58	17 22 31
	DEC. .	17 3 42	17 10 17
	○	31 22 4	31 21 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 977.		*d. h. m.*	*d. h. m.*
F.E. March. *d. h. m.* 30 11 25	JAN. .	15 16 26	15 20 50
	FEB. .	14 5 10	14 6 18
	MAR. .	14 17 54	14 15 18
	APRIL	13 6 38	13 0 15
	MAY .	12 19 22	12 10 19
	JUNE .	11 8 6	10 22 13
	○	26 2 28	26 6 44
	JULY .	10 20 50	10 12 20
	AUG. .	9 9 34	9 4 29
	SEPT. .	7 22 18	7 21 52
	OCT. .	7 11 2	7 15 26
	NOV. .	5 23 46	6 8 6
	DEC. .	5 12 30	5 23 4
976. D. 30 17 14	JAN. .	4 1 14	4 11 55
	FEB. .	2 13 58	2 22 39
	MAR. .	4 2 43	4 7 36
	APRIL	2 15 27	2 15 25
	MAY .	2 4 11	1 22 57
		31 16 55	31 7 15
	JUNE .	30 5 39	29 17 24
	JULY .	29 18 23	29 6 7
	AUG. .	28 7 7	27 21 41
	SEPT. .	26 19 51	26 15 32
	OCT. .	26 8 35	26 10 29
	○	10 2 57	9 20 49
	NOV. .	24 21 19	25 5 5
	DEC. .	24 10 3	24 21 51
975. C. 30 23 3	JAN. .	22 22 47	23 12 3
	FEB. .	21 11 31	21 23 21
	MAR. .	23 0 16	23 8 24
	APRIL	21 13 0	21 15 46
	○	6 7 22	6 10 22
	MAY .	21 1 44	20 22 32
	JUNE .	19 14 23	19 5 46
	JULY .	19 3 12	18 14 35
	AUG. .	17 15 56	17 1 58
	SEPT. .	16 4 40	15 16 25
	OCT. .	15 17 24	15 9 45
	○	30 11 46	30 12 31
	NOV. .	14 6 8	14 4 57
	DEC. .	13 18 52	14 0 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 974.			
B. March. *d. h. m.* 31 4 51	JAN. .	12 7 36	12 18 36
	FEB. .	10 20 20	11 10 8
	MAR. .	12 9 4	12 22 33
	APRIL	10 21 48	11 8 11
	○	25 16 10	25 11 20
	MAY .	10 10 32	10 15 48
	JUNE .	8 23 16	8 22 33
	JULY .	8 12 0	8 5 28
	AUG. .	7 0 44	6 18 39
	SEPT. .	5 18 28	5 0 1
	OCT. .	5 2 12	4 18 18
	○	19 20 34	20 2 50
	NOV. .	3 14 56	3 4 57
	DEC. .	3 3 40	2 23 35
973. A.G.	JAN. .	1 16 24	1 18 48
		31 5 8	31 18 24
	FEB. .	29 17 53	...
			1 5 58
30 10 40	MAR. .	...	
		30 6 37	30 19 41
	○	14 0 59	13 17 48
	APRIL	28 19 21	29 6 32
	MAY .	28 8 5	28 15 11
	JUNE .	26 20 49	26 22 38
	JULY .	26 9 33	26 5 59
	AUG. .	24 22 17	24 14 12
	SEPT. .	23 11 1	23 0 6
	OCT. .	22 23 45	22 12 12
	NOV. .	21 12 29	21 2 39
	DEC. .	21 1 13	20 19 10
972. F.	JAN. .	19 13 57	19 12 57
	FEB. .	18 2 41	18 6 54
	○	4 21 3	4 23 7
30 16 29	MAR. .	19 15 26	19 23 48
	APRIL	18 4 10	18 14 39
	MAY .	17 16 54	18 8 7
	JUNE .	16 5 38	16 13 27
	JULY .	15 18 22	15 22 23
	AUG. .	14 7 6	14 6 49
	SEPT. .	12 19 50	12 15 43
	OCT. .	12 8 34	12 1 40
	NOV. .	10 21 18	10 13 0
	DEC. .	10 10 2	10 1 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 971. E. March. *d. h. m.* 30 22 18	JAN. .	8 22 46	8 16 9
	FEB. .	7 11 30	7 7 41
	○	22 5 52	22 15 38
	MAR. .	9 0 14	8 23 56
	APRIL	7 12 58	7 16 14
	MAY .	7 1 42	7 7 44
	JUNE .	5 14 26	5 21 49
	JULY .	5 3 10	5 10 15
	AUG. .	3 15 54	3 21 17
	○	18 10 16	17 21 15
	SEPT. .	2 4 38	2 7 32
	OCT. .	1 17 22	1 17 40
		31 6 6	31 4 6
	NOV. .	29 18 50	29 15 2
	DEC. .	29 7 34	29 2 30
970. D.	JAN. .	27 20 18	27 14 37
	○	11 14 40	12 4 35
	FEB. .	26 9 2	26 3 34
31 4 7	MAR. .	27 21 47	27 17 31
	APRIL	26 10 31	26 8 22
	MAY .	25 23 15	25 23 43
	JUNE .	24 11 59	24 14 57
	JULY .	24 0 43	24 5 31
	○	7 19 5	7 6 17
	AUG. .	22 13 27	22 19 3
	SEPT. .	21 2 11	21 7 38
	OCT. .	20 14 55	20 19 28
	NOV. .	19 3 39	19 6 46
	DEC. .	18 16 23	18 17 37
969. C.B.	JAN. .	17 5 7	17 4 3
	FEB. .	15 17 51	15 14 19
30 9 56	MAR. .	16 6 35	16 0 51
	APRIL	14 19 19	14 12 18
	MAY .	14 8 3	14 1 9
	JUNE .	12 20 47	12 15 34
	JULY .	12 9 31	12 7 13
	AUG. .	10 22 15	10 23 26
	SEPT. .	9 10 59	9 15 26
	OCT. .	8 23 43	9 6 33
	NOV. .	7 12 27	7 20 28
	DEC. .	7 1 11	7 8 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 968.			
A. March. *d. h. m.* 30 15 44	JAN.	5 18 55	5 20 4
	FEB.	4 2 39	4 5 53
	MAR.	5 15 24	5 14 48
	APRIL	4 4 8	3 23 26
	MAY	3 16 52	3 8 40
	JUNE	2 5 36	1 19 26
	○	16 23 58	17 6 24
	JULY	1 18 20	1 8 22
		31 7 4	30 23 39
	AUG.	29 19 48	29 16 41
	SEPT.	28 8 32	28 10 32
	OCT.	27 21 16	28 4 1
	NOV.	26 10 0	26 20 5
	○	11 4 22	10 19 50
	DEC.	25 22 44	26 10 5
967. G. 30 21 33	JAN.	24 11 28	24 21 46
	FEB.	23 0 12	23 7 24
	MAR.	24 12 57	24 15 31
	APRIL	23 1 41	22 22 55
	MAY	22 14 25	22 6 35
	○	6 8 47	6 17 25
	JUNE	21 3 9	20 15 36
	JULY	20 15 53	20 2 58
	AUG.	19 4 37	18 17 12
	SEPT.	17 17 21	17 10 7
	OCT.	17 6 5	17 4 51
	NOV.	15 18 49	15 23 58
	○	30 13 11	30 7 3
	DEC.	15 7 33	15 17 52
966. F. 31 3 22	JAN.	13 20 17	14 9 26
	FEB.	12 9 1	12 22 7
	MAR.	13 21 45	14 8 5
	APRIL	12 10 29	12 16 1
	MAY	11 23 13	11 22 58
	○	26 17 35	26 21 11
	JUNE	10 11 57	10 5 43
	JULY	10 0 41	9 13 37
	AUG.	8 13 25	7 23 41
	SEPT.	7 2 9	6 12 33
	OCT.	6 14 53	6 4 40
	NOV.	5 3 37	4 23 9
	DEC.	4 16 21	4 18 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 965. E.D. March. *d. h. m.* 30 9 11	JAN.	3 5 5	3 13 44
	FEB.	1 17 49	2 6 33
	MAR.	2 6 34	2 20 33
		31 19 18	1 7 58
	APRIL	30 8 2	30 15 53
	MAY	29 20 46	29 22 57
	JUNE	28 9 30	28 5 41
	JULY	27 22 14	27 13 12
	AUG.	26 10 58	25 22 30
	SEPT.	24 23 42	24 10 20
	OCT.	24 12 26	24 1 2
	NOV.	23 1 10	22 18 17
	DEC.	22 13 54	22 13 8
964. C. 30 15 0	JAN.	21 2 38	21 8 6
	FEB.	19 15 22	20 1 41
	MAR.	21 4 7	21 16 48
	○	4 22 29	4 16 20
	APRIL	19 16 51	20 5 0
	MAY	19 5 35	19 14 41
	JUNE	17 18 19	17 22 42
	JULY	17 7 3	17 6 6
	AUG.	15 19 47	15 13 56
	SEPT.	14 8 31	13 23 5
	○	29 2 53	29 7 17
	OCT.	13 21 15	13 10 8
	NOV.	12 9 59	11 23 25
	DEC.	11 22 43	11 14 50
963. B. 30 20 49	JAN.	10 11 27	10 7 54
	FEB.	9 0 11	9 1 41
	MAR.	10 12 55	10 19 2
	○	25 7 17	25 7 5
	APRIL	9 1 39	9 10 53
	MAY	8 14 23	9 0 34
	JUNE	7 3 7	7 12 1
	JULY	6 15 51	6 21 41
	AUG.	5 4 35	5 6 29
	SEPT.	3 17 19	3 15 18
	○	18 11 41	18 7 43
	OCT.	3 6 3	3 0 51
	NOV.	1 18 47	1 11 33
	DEC.	1 7 31	30 23 36
		30 20 15	30 13 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 962. A. March. *d. h. m.* 31 2 37	JAN. .	29 9 0	29 8 48
	FEB. .	27 21 44	27 19 23
	MAR. .	29 10 28	29 11 31
	APRIL	27 23 12	28 8 24
	MAY .	27 11 56	27 18 16
	JUNE .	26 0 40	26 7 41
	JULY .	25 18 24	25 19 36
	AUG. .	24 2 8	24 6 26
	SEPT. .	22 14 52	22 16 49
	OCT. .	22 8 36	22 8 15
	NOV. .	20 16 20	20 13 59
	DEC. .	20 5 4	20 1 6
961. G.F. 30 8 26	JAN. .	18 17 48	18 12 40
	○ FEB. .	2 12 10 17 6 32	8 1 54 17 0 53
	MAR. .	17 19 17	17 14 2
	APRIL	16 8 1	16 4 12
	MAY .	15 20 45	15 19 14
	JUNE .	14 9 29	14 10 39
	JULY .	13 22 13	14 1 46
	○ AUG. .	28 16 35 12 10 57	28 5 21 12 16 6
	SEPT. .	10 23 41	11 5 27
	OCT. .	10 12 25	10 17 54
	NOV. .	9 1 9	9 5 37
	DEC. .	8 13 53	8 16 44
960. E. 30 14 15	JAN. .	7 2 37	7 3 15
	○ FEB. .	21 20 59 5 15 21	22 5 34 5 13 21
	MAR. .	7 4 5	6 23 25
	APRIL	5 16 49	5 10 3
	MAY .	5 5 33	4 21 55
	JUNE .	3 18 17	3 11 27
	JULY .	3 7 1	3 2 35
	○ AUG. .	18 1 23 1 19 45	17 21 36 1 18 45
	SEPT. .	31 8 29 29 21 13	31 11 12 30 3 8
	OCT. .	29 9 57	29 17 57
	NOV. .	27 22 41	28 7 18
	DEC. .	27 11 25	27 19 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 959. D. March. *d. h. m.* 30 20 4	○ JAN. .	11 5 48 26 0 10	11 5 1 26 5 25
	FEB. .	24 12 54	24 14 30
	MAR. .	26 1 38	25 22 58
	APRIL	24 14 22	24 7 34
	MAY .	24 3 6	23 17 18
	JUNE .	22 15 50	22 5 1
	○ JULY .	7 10 12 22 4 31	7 14 13 21 19 10
	AUG. .	20 17 18	20 11 32
	SEPT. .	19 6 2	19 5 20
	OCT. .	18 18 46	18 23 23
	NOV. .	17 7 30	17 16 28
	DEC. .	16 20 14	17 7 33
958. C. 31 1 58	JAN. .	15 8 58	15 20 27
	FEB. .	13 21 42	14 6 57
	MAR. .	15 10 27	15 15 36
	APRIL	13 23 11	13 23 5
	MAY .	13 11 55	13 6 20
	JUNE .	12 0 39	11 14 27
	JULY .	11 13 23	11 0 31
	AUG. .	10 2 7	9 13 20
	SEPT. .	8 14 51	8 5 4
	OCT. .	8 3 35	7 23 12
	NOV. .	6 16 19	6 18 27
	○ DEC. .	21 10 41 6 5 3	21 5 45 6 13 15
957. B.A. 30 7 42	JAN. .	4 17 47	5 6 6
	FEB. .	3 6 31	3 20 11
	MAR. .	3 19 15	4 7 21
	APRIL	2 7 59	2 16 6
	MAY ○	1 20 43 16 15 5 31 9 27	1 23 18 16 15 44 31 5 57
	JUNE .	29 22 11	29 13 10
	JULY .	29 10 55	28 22 6
	AUG. .	27 23 39	27 9 36
	SEPT. .	26 12 23	26 0 13
	OCT. .	26 1 7	25 17 39
	○ NOV. .	9 19 29 24 13 51	9 21 26 24 12 54
	DEC. .	24 2 35	24 8 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 956. G. March. *d. h. m.* 30 13 30	JAN. .	22 15 20	23 2 26
	FEB. .	21 4 4	21 17 49
	MAR. .	22 16 48	23 6 6
	APRIL	21 5 32	21 15 37
	○	5 23 54	5 18 0
	MAY .	20 18 16	20 23 14
	JUNE .	19 7 0	19 6 1
	JULY .	18 19 44	18 13 8
	AUG. .	17 8 23	16 21 33
	SEPT. .	15 21 12	15 8 9
	OCT. .	15 9 56	14 21 28
	○	30 4 18	30 11 29
	NOV. .	13 22 40	13 13 29
	DEC. .	13 11 24	13 7 37
955. F. 30 19 19	JAN. .	12 0 8	12 2 34
	FEB. .	10 12 52	10 20 51
	MAR. .	12 1 36	12 13 11
	APRIL	10 14 20	11 2 47
	○	25 8 42	25 0 58
	MAY .	10 3 4	10 13 41
	JUNE .	8 15 48	8 22 28
	JULY .	8 4 32	8 6 10
	AUG. .	6 17 16	6 13 51
	SEPT. .	5 6 0	4 22 26
	OCT. .	4 18 44	4 8 36
	NOV. .	3 7 28	2 20 48
	DEC. .	2 20 12	2 11 6
954. E. 31 1 8	JAN. .	1 8 56	1 8 15
		30 21 40	30 20 33
	FEB. .	...	...
	MAR. ○	1 10 25	1 14 2
		16 4 47	16 7 6
		30 23 9	31 6 37
	APRIL	29 11 53	29 21 23
	MAY .	29 0 37	29 9 59
	JUNE .	27 13 21	27 20 37
	JULY .	27 2 5	27 5 58
	AUG. .	25 14 49	25 14 54
	SEPT. .	24 3 33	24 0 14
	OCT. .	23 16 17	23 10 27
	NOV. .	22 5 1	21 21 50
	DEC. .	21 17 45	21 10 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 953. D.C. March. *d. h. m.* 30 6 57	JAN. .	20 6 30	20 0 17
	FEB. .	18 19 14	18 15 13
	○	4 13 36	4 23 40
	MAR. .	19 7 58	19 6 55
	APRIL	17 20 42	17 22 50
	MAY .	17 9 26	17 14 15
	JUNE .	15 22 10	16 4 31
	JULY .	15 10 54	15 17 22
	AUG. .	13 23 38	14 4 58
	○	28 18 0	28 4 36
	SEPT. .	12 12 22	12 15 47
	OCT. .	12 1 6	12 2 22
	NOV. .	10 13 50	10 13 3
	DEC. .	10 2 31	9 23 57
952. B. 30 12 46	JAN. .	8 15 18	8 11 7
	FEB. .	7 4 2	6 22 44
	○	21 22 21	22 12 25
	MAR. .	8 16 46	8 11 4
	APRIL	7 5 30	7 0 26
	MAY .	6 18 14	6 14 52
	JUNE .	5 6 58	5 6 9
	JULY .	4 19 42	4 21 35
	AUG. .	3 8 26	3 12 36
	○	18 2 48	17 14 4
	SEPT. .	1 21 10	2 2 45
	OCT. .	1 9 54	1 15 55
		30 22 38	31 4 13
	NOV. .	29 11 22	29 15 42
	DEC. .	29 0 6	29 2 27
951. A. 30 18 35	JAN. .	27 12 51	27 12 37
	FEB. .	26 1 35	25 22 22
	MAR. .	27 14 19	27 8 21
	APRIL	26 3 8	25 19 17
	MAY .	25 15 47	25 7 49
	JUNE .	24 4 31	23 22 7
	JULY .	23 17 15	23 13 58
	AUG. .	22 5 59	22 6 35
	SEPT. .	20 18 43	20 23 9
	OCT. .	20 7 27	20 14 51
	NOV. .	18 20 11	19 5 8
	DEC. .	18 8 55	18 17 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 950.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 31 0 23	JAN.	16 21 39	17 4 45
	FEB.	15 10 23	15 14 14
	MAR.	16 23 8	16 22 44
	APRIL	15 11 52	15 6 55
	MAY	15 0 36	14 15 47
	JUNE	13 13 20	13 2 19
	○	28 7 42	28 13 44
	JULY	13 2 4	12 15 13
	AUG.	11 14 48	11 6 36
	SEPT.	10 3 32	10 0 0
	OCT.	9 16 16	9 18 18
	NOV.	8 5 0	8 12 13
	DEC.	7 17 44	8 4 34
	○	22 12 6	22 4 17
949. F.E. 30 6 12	JAN.	6 6 28	6 18 37
	FEB.	4 19 12	5 6 8
	MAR.	5 7 56	5 15 29
	APRIL	3 20 40	3 23 16
	MAY	3 9 24	3 6 22
	JUNE	1 22 8	1 18 50
	○	16 16 30	17 0 16
			30 22 47
	JULY	1 10 52	
		30 23 36	30 10 10
	AUG.	29 12 20	29 0 32
	SEPT.	28 1 4	27 17 42
	OCT.	27 13 48	27 12 43
	NOV.	26 2 32	26 8 1
	○	10 20 54	10 15 53
	DEC.	25 15 16	26 2 2
948. D. 30 12 1	JAN.	24 4 1	24 17 34
	FEB.	22 16 45	23 6 6
	MAR.	24 5 29	24 15 52
	APRIL	22 18 13	22 23 37
	MAY	22 6 57	22 6 20
	○	6 1 19	6 3 42
	JUNE	20 19 41	20 13 9
	JULY	20 8 25	19 21 9
	AUG.	18 21 9	18 7 21
	SEPT.	17 9 53	16 20 28
	OCT.	16 22 37	16 12 36
	NOV.	15 11 21	15 7 9
	DEC.	15 0 5	15 2 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 947.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 30 17 50	JAN.	13 12 49	13 21 34
	FEB.	12 1 33	12 14 19
	MAR.	13 14 18	14 4 5
	APRIL	12 3 2	12 14 51
	MAY	11 15 46	11 23 16
	JUNE	10 4 30	10 6 23
	JULY	9 17 14	9 13 17
	AUG.	8 5 58	7 21 4
	SEPT.	6 18 42	6 6 37
	OCT.	6 7 26	5 18 36
	NOV.	4 20 10	4 9 20
	DEC.	4 8 54	4 2 26
946. B. 30 23 39	JAN.	2 21 38	2 20 59
	FEB.	1 10 22	1 15 37
	MAR.	2 23 6	3 8 56
	APRIL	1 11 50	1 23 52
	○	16 6 12	15 23 40
	MAY	1 0 34	1 12 4
		30 13 18	30 21 52
	JUNE	29 2 2	29 6 7
	JULY	28 14 46	28 13 51
	AUG.	27 3 30	26 22 4
	SEPT.	25 16 14	25 7 32
	○	10 10 36	10 15 9
	OCT.	25 4 58	24 18 46
	NOV.	23 17 42	23 7 59
	DEC.	23 6 26	22 23 6
945. A.G. 30 5 28	JAN.	21 19 10	21 15 42
	FEB.	20 7 54	20 8 58
	MAR.	20 20 39	21 1 56
	○	4 15 1	4 14 49
	APRIL	19 9 23	19 17 37
	MAY	18 22 7	19 7 21
	JUNE	17 10 51	17 19 8
	JULY	16 23 35	17 5 8
	AUG.	15 12 19	15 14 25
	SEPT.	14 1 8	13 23 42
	○	28 19 25	28 15 16
	OCT.	13 13 47	13 9 34
	NOV.	12 2 31	11 20 26
	DEC.	11 15 15	11 8 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 944. F. March. d. h. m. 30 11 16		d. h. m.	d. h. m.
	JAN.	10 3 59	9 21 23
	FEB.	8 16 43	8 11 29
	MAR.	10 5 27	10 2 34
	○	24 23 49	25 7 49
	APRIL	8 18 11	8 18 14
	MAY	8 6 55	8 9 53
	JUNE	6 19 39	7 0 50
	JULY	6 8 23	6 14 35
	AUG.	4 21 7	5 8 0
	SEPT.	3 9 51	3 14 27
	OCT.	2 22 35	3 1 21
	NOV.	1 11 19	1 12 7
	DEC.	1 0 3	30 22 56
		30 12 47	30 9 53
943. E. 30 17 5	JAN.	29 1 31	28 21 1
	○	12 19 53	13 9 43
	FEB.	27 14 16	27 8 39
	MAR.	29 3 0	28 21 10
	APRIL	27 15 44	27 10 53
	MAY	27 4 28	27 1 40
	JUNE	25 17 12	25 17 9
	JULY	25 5 56	25 8 37
	○	9 0 18	8 13 7
	AUG.	23 18 40	23 23 31
	SEPT.	22 7 24	22 13 30
	OCT.	21 20 8	22 2 29
	NOV.	20 8 52	20 14 30
	DEC.	19 21 36	20 1 38
942. D. 30 22 54	JAN.	18 10 20	18 11 55
	○	2 4 42	2 13 7
	FEB.	16 23 4	16 21 36
	MAR.	18 11 49	18 7 8
	APRIL	17 0 33	16 17 15
	MAY	16 13 17	16 4 43
	JUNE	15 2 1	14 18 2
	JULY	14 14 45	14 9 13
	○	29 9 7	29 5 23
	AUG.	13 3 29	13 1 44
	SEPT.	11 16 13	11 18 42
	OCT.	11 4 57	11 11 11
	NOV.	9 17 41	10 2 28
	DEC.	9 6 25	9 16 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 941. C.B. March. d. h. m. 30 4 43		d. h. m.	d. h. m.
	JAN.	7 19 9	8 3 49
	○	22 18 31	22 12 41
	FEB.	6 7 53	6 13 52
	MAR.	6 20 37	6 22 35
	APRIL	5 9 21	5 6 36
	MAY	4 22 5	4 14 49
	JUNE	3 10 49	3 0 17
	JULY	2 23 33	2 11 53
	○	17 17 55	17 21 45
	AUG.	1 12 17	1 2 5
		31 1 1	30 18 42
	SEPT.	29 13 45	29 12 54
	OCT.	29 2 29	29 7 24
	NOV.	27 15 13	28 0 48
	DEC.	27 3 57	27 16 6
940. A. 30 10 32	JAN.	25 16 41	26 4 51
	FEB.	24 5 25	24 15 7
	MAR.	25 13 10	25 23 26
	APRIL	24 6 54	24 6 36
	MAY	23 19 33	23 13 40
	JUNE	22 8 22	21 21 41
	JULY	21 21 6	21 7 47
	AUG.	20 9 50	19 20 41
	SEPT.	18 22 34	18 12 36
	OCT.	18 11 18	18 6 59
	NOV.	17 0 2	17 2 25
	○	1 18 24	1 14 39
	DEC.	16 12 46	16 21 19
939. G. 30 16 21	JAN.	15 1 30	15 14 12
	FEB.	13 14 14	14 4 10
	MAR.	15 2 59	15 15 9
	APRIL	13 15 43	13 23 42
	MAY	13 4 27	13 6 46
	○	27 22 49	27 23 15
	JUNE	11 17 11	11 13 23
	JULY	11 5 55	10 20 42
	AUG.	9 13 39	9 5 46
	SEPT.	8 7 23	7 17 27
	OCT.	7 20 7	7 8 10
	NOV.	6 8 51	6 1 41
	○	21 3 13	21 6 23
	DEC.	5 21 35	5 20 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 938. F. March. d. h. m. 30 22 9	JAN.	4 10 19	4 16 14
	FEB.	2 28 3	3 10 6
	MAR.	4 11 47	5 1 18
	APRIL	3 0 31	3 13 28
	MAY	2 18 15	2 22 57
	○	17 7 37	17 0 38
	JUNE	1 1 59	1 6 36
		30 14 43	30 13 34
	JULY	30 3 27	29 20 54
	AUG.	28 16 11	28 5 36
	SEPT.	27 4 55	26 16 24
	OCT.	26 17 39	26 5 48
	○	10 12 1	10 20 8
	NOV.	25 6 23	24 21 44
	DEC.	24 19 7	24 15 35
937. E.D. 30 3 58	JAN.	23 7 52	23 10 12
	FEB.	21 20 36	22 4 9
	MAR.	22 9 20	22 20 14
	APRIL	20 22 4	21 9 48
	○	5 16 26	5 8 5
	MAY	20 10 48	20 20 46
	JUNE	18 23 32	19 5 47
	JULY	18 12 16	18 18 50
	AUG.	17 1 0	16 21 53
	SEPT.	15 13 44	15 6 50
	OCT.	15 2 28	14 17 14
	NOV.	13 15 12	13 5 28
	DEC.	13 3 56	12 19 33
936. C. 30 9 47	JAN.	11 16 40	11 11 15
	FEB.	10 5 24	10 4 2
	MAR.	11 13 9	11 21 3
	○	26 12 31	26 14 57
	APRIL	10 6 53	10 13 20
	MAY	9 19 37	10 4 4
	JUNE	8 8 21	8 16 53
	JULY	7 21 5	8 8 53
	AUG.	6 9 49	6 13 42
	SEPT.	4 22 33	4 23 8
	OCT.	4 11 17	4 8 51
	NOV.	3 0 1	2 19 19
	DEC.	2 12 45	2 6 41
		...	31 18 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 935. B. March. d. h. m. 30 15 36	JAN.	1 1 29	...
		30 14 13	30 8 17
	FEB.	...	28 22 37
	MAR. ○	1 2 57	...
		15 21 19	16 7 32
		30 15 41	30 13 47
	APRIL	29 4 25	29 5 22
	MAY	28 17 9	28 20 43
	JUNE	27 5 53	27 11 14
	JULY	26 18 37	27 0 33
	AUG.	25 7 21	25 12 44
	○	9 1 43	8 12 16
	SEPT.	23 20 5	24 0 7
	OCT.	23 8 49	23 11 7
	NOV.	21 21 33	21 22 0
	DEC.	21 10 17	21 8 51
934. A. 30 21 25	JAN.	19 23 1	19 19 40
	FEB.	18 11 45	18 6 44
	○	5 6 7	5 20 5
	MAR.	20 0 30	19 18 29
	APRIL	18 13 14	18 7 18
	MAY	18 1 58	17 21 25
	JUNE	16 14 42	16 12 37
	JULY	16 3 26	16 4 18
	AUG.	14 16 10	14 19 48
	○	29 10 32	28 22 3
	SEPT.	13 4 54	13 10 33
	OCT.	12 17 38	13 0 19
	NOV.	11 6 22	11 13 0
	DEC.	10 19 6	11 0 33
933. G.F. 30 3 14	JAN.	9 7 50	9 11 16
	FEB.	7 20 34	7 21 1
	MAR.	8 9 19	8 6 18
	APRIL	6 22 8	6 15 46
	MAY	6 10 47	6 2 15
	JUNE	4 23 31	4 14 29
	JULY	4 12 15	4 4 45
	AUG.	3 0 59	2 20 47
	○	17 19 21	17 13 24
	SEPT.	1 13 43	1 13 52
	OCT.	1 2 27	1 6 59
		30 15 11	30 23 10
	NOV.	29 8 55	29 13 49
	DEC.	28 16 39	29 2 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 932.		d. h. m.	d. h. m.
E. March. d. h. m. 30 9 2	JAN.	27 5 23	27 13 17
	FEB.	25 18 7	25 22 26
	MAR.	27 6 51	27 6 30
	APRIL	25 19 35	25 14 19
	MAY	25 8 19	24 22 58
	JUNE	23 21 8	23 9 16
	○	8 15 25	8 21 7
	JULY	23 9 47	22 22 9
	AUG.	21 22 31	21 13 44
	SEPT.	20 11 15	20 7 27
	OCT.	19 23 59	20 2 9
	NOV.	18 12 43	18 20 24
	DEC.	18 1 27	18 12 58
931. D. 30 14 51	○	1 19 49	1 12 41
	JAN.	16 14 11	17 2 59
	FEB.	15 2 55	15 14 21
	MAR.	16 15 40	16 23 25
	APRIL	15 4 24	15 6 55
	MAY	14 17 8	14 13 49
	JUNE	13 5 52	12 21 9
	○	28 0 14	28 6 49
	JULY	12 18 36	12 6 5
	AUG.	11 7 20	10 17 33
	SEPT.	9 20 4	9 8 5
	OCT.	9 8 43	9 1 26
	NOV.	7 21 32	7 20 37
	DEC.	7 10 16	7 16 4
	○	22 4 38	22 0 43
930. C. 30 20 40	JAN.	5 23 0	6 10 6
	FEB.	4 11 44	5 1 31
	MAR.	6 0 28	6 13 54
	APRIL	4 13 12	4 23 29
	MAY	4 1 56	4 7 6
	JUNE	2 14 40	2 18 47
	○	17 9 2	17 10 10
	JULY	2 8 24	1 20 48
		31 16 8	31 4 47
	AUG.	30 4 52	29 15 10
	SEPT.	28 17 36	28 4 26
	OCT.	28 6 20	27 20 39
	NOV.	26 19 4	26 15 9
	DEC.	26 7 48	26 10 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 929.		d. h. m.	d. h. m.
B.A. March. d. h. m. 30 2 29	JAN.	24 20 33	25 5 16
	FEB.	23 9 17	23 21 49
	MAR.	23 22 1	24 11 26
	APRIL	22 10 45	22 22 9
	MAY	21 23 29	22 6 36
	JUNE	20 12 13	20 13 51
	JULY	20 0 57	19 21 0
	AUG.	18 18 41	18 5 3
	SEPT.	17 2 25	16 14 52
	OCT.	16 15 9	16 3 0
	NOV.	15 3 53	14 17 41
	DEC.	14 16 37	14 10 33
928. G. 30 8 18	JAN.	13 5 21	13 4 45
	FEB.	11 18 5	11 22 59
	MAR.	13 6 50	13 16 1
	APRIL	11 19 34	12 6 50
	○	26 13 56	26 6 58
	MAY	11 8 18	11 19 4
	JUNE	9 21 2	10 5 4
	JULY	9 9 46	9 13 37
	AUG.	7 22 30	7 21 45
	SEPT.	6 11 14	6 6 21
	OCT.	5 23 58	5 16 3
	○	20 18 20	20 23 8
	NOV.	4 12 42	4 3 30
	DEC.	4 1 26	3 16 35
927. F. 30 14 7	JAN.	2 14 10	2 7 21
	FEB.	1 2 54	31 23 24
	MAR.	2 15 38	2 16 9
	APRIL	1 4 22	1 8 43
	○	15 22 44	15 22 25
		30 17 6	1 0 13
	MAY	30 5 50	30 14 4
	JUNE	28 18 34	29 2 5
	JULY	28 7 18	28 12 38
	AUG.	26 20 2	26 22 25
	SEPT.	25 8 46	25 8 10
	○	10 3 8	9 22 57
	OCT.	24 21 30	24 18 24
	NOV.	23 10 14	23 5 21
	DEC.	22 22 58	22 17 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 926. E. March. *d. h. m.* 30 19 55	JAN. .	21 11 42	21 5 38
	FEB. .	20 0 26	19 19 8
	MAR. .	21 18 11	21 9 38
	○	5 7 33	5 15 30
	APRIL	20 1 55	20 0 52
	MAY .	19 14 39	19 16 20
	JUNE .	18 8 28	18 7 25
	JULY .	17 16 7	17 21 33
	AUG. .	16 4 51	16 10 34
	SEPT. .	14 17 35	14 22 35
	○	29 11 57	28 23 55
	OCT. .	14 6 19	14 9 59
	NOV. .	12 19 8	12 21 8
	DEC. .	12 7 47	12 7 54
925. D.C. 30 1 44	JAN. .	10 20 31	10 18 35
	FEB. .	9 9 15	9 5 15
	○	24 8 37	24 17 23
	MAR. .	9 22 0	9 16 18
	APRIL	8 10 44	8 4 16
	MAY .	7 23 28	7 17 32
	JUNE .	6 12 12	6 8 9
	JULY .	6 0 56	5 23 44
	AUG. .	4 13 40	4 15 36
	SEPT. .	3 2 24	3 7 5
	OCT. .	2 15 8	2 21 40
	NOV. .	1 3 52	1 11 8
		30 16 36	30 23 24
	DEC. .	30 5 20	30 10 30
924. B. 30 7 33	JAN. .	28 18 4	28 20 30
	○	12 12 26	12 20 31
	FEB. .	27 6 48	27 5 42
	MAR. .	28 19 32	28 14 44
	APRIL	27 8 16	27 0 23
	MAY .	26 21 0	26 11 30
	JUNE .	25 9 44	25 0 41
	JULY .	24 22 28	24 15 57
	○	8 16 50	8 13 18
	AUG. .	23 11 12	23 8 49
	SEPT. .	21 23 56	22 2 18
	OCT. .	21 12 40	21 19 19
	NOV. .	20 1 24	20 10 59
	DEC. .	19 14 8	20 0 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 923. A. March. *d. h. m.* 30 18 22	JAN. .	18 2 52	18 12 25
	○	1 21 14	1 20 14
	FEB. .	16 15 36	16 22 10
	MAR. .	18 4 21	18 6 31
	APRIL	16 17 5	16 14 10
	MAY .	16 5 49	15 22 4
	JUNE .	14 18 33	14 7 20
	JULY .	14 7 17	13 18 52
	○	29 1 39	29 5 25
	AUG. .	12 20 1	12 9 12
	SEPT. .	11 8 45	11 2 4
	OCT. .	10 21 29	10 20 37
	NOV. .	9 10 13	9 15 27
	DEC. .	8 22 57	9 9 7
922. G. 30 19 11	JAN. .	7 11 41	8 0 29
	FEB. .	6 0 25	6 13 7
	MAR. .	7 13 10	7 23 8
	APRIL	6 1 54	6 7 10
	MAY .	5 14 33	5 14 7
	JUNE .	4 3 22	3 21 2
	JULY .	3 16 6	3 5 2
	AUG. .	2 4 50	1 15 11
		31 17 34	31 4 13
	SEPT. .	30 6 18	29 20 19
	OCT. .	29 19 2	29 14 50
	NOV. .	28 7 46	28 10 24
	○	13 2 8	12 23 35
	DEC. .	27 20 30	28 5 21
921. F.E. 30 1 0	JAN. .	26 9 14	26 22 9
	FEB. .	24 21 58	25 11 59
	MAR. .	25 10 42	25 22 47
	APRIL	23 23 26	24 7 10
	MAY .	23 12 10	23 14 12
	○	7 6 32	7 5 41
	JUNE .	22 0 54	21 20 52
	JULY .	21 13 38	21 4 19
	AUG. .	20 2 22	19 13 34
	SEPT. .	18 15 6	18 1 26
	OCT. .	18 3 50	17 16 16
	NOV. .	16 16 34	16 9 44
	○	1 10 56	1 15 20
	DEC. .	16 5 18	16 4 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 920.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 30 6 48	JAN.	14 18 2	14 23 57
	FEB.	13 6 46	13 17 37
	MAR.	14 19 31	15 8 40
	APRIL	13 8 15	13 20 44
	MAY	12 20 59	13 6 13
	○	27 15 21	27 7 17
	JUNE	11 9 43	11 14 1
	JULY	10 22 27	10 21 12
	AUG.	9 11 11	9 4 49
	SEPT.	7 23 55	7 13 49
	OCT.	7 12 39	7 0 51
	NOV.	6 1 23	5 14 17
	○	20 19 45	21 4 50
	DEC.	5 14 7	5 6 1
919. C. 30 12 37	JAN.	4 2 51	3 23 30
	FEB.	2 15 35	2 17 42
	MAR.	4 4 20	4 11 18
	APRIL	2 17 4	3 3 11
	MAY ○	2 5 48	2 16 42
		17 0 10	16 15 12
		31 18 32	1 3 50
	JUNE	30 7 16	30 13 9
	JULY	29 20 0	29 21 31
	AUG.	28 8 44	28 6 2
	SEPT.	26 21 28	26 15 21
	OCT.	26 10 12	26 1 59
	NOV.	24 22 56	24 14 12
	DEC.	24 11 40	24 3 59
918. B. 30 18 26	JAN.	23 0 24	22 19 12
	FEB.	21 13 8	21 11 21
	MAR.	23 1 52	23 8 56
	APRIL	21 14 36	21 19 57
	MAY	21 3 20	21 10 41
	JUNE	19 16 4	19 23 44
	JULY	19 4 48	19 11 11
	AUG.	17 17 32	17 21 31
	SEPT.	16 6 16	16 7 28
	OCT.	15 19 0	15 17 36
	NOV.	14 7 44	14 4 15
	DEC.	13 20 28	13 15 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 917.		*d. h. m.*	*d. h. m.*
A.G. March. *d. h. m.* 30 0 15	JAN.	12 9 12	12 3 23
	FEB.	10 21 56	10 16 12
	MAR.	11 10 41	11 5 55
	○	26 5 3	26 15 16
	APRIL	9 23 25	9 20 33
	MAY	9 12 9	9 11 51
	JUNE	8 0 53	8 3 13
	JULY	7 13 37	7 18 1
	AUG.	6 2 21	6 7 52
	SEPT.	4 15 5	4 20 33
	○	19 9 27	18 20 6
	OCT.	4 3 49	4 8 35
	NOV.	2 16 33	2 20 0
	DEC.	2 5 17	2 7 0
		31 18 1	31 17 41
916. F. 30 6 4	JAN.	30 6 45	30 4 6
	FEB.	28 19 29	28 14 37
	○	15 13 51	16 3 35
	MAR.	30 8 13	30 1 46
	APRIL	28 20 57	28 14 6
	MAY	28 9 41	28 3 55
	JUNE	26 22 25	26 19 6
	JULY	26 11 9	26 11 5
	AUG.	24 23 53	25 3 6
	○	8 18 15	8 6 9
	SEPT.	23 12 37	23 18 28
	OCT.	23 1 21	23 8 46
	NOV.	21 14 5	21 21 48
	DEC.	21 2 49	21 9 31
915. E. 30 11 52	JAN.	19 15 33	19 19 54
	FEB.	18 4 17	18 5 17
	MAR.	19 17 2	19 14 5
	APRIL	18 5 46	17 23 6
	MAY	17 18 30	17 9 11
	JUNE	16 7 14	15 21 11
	JULY	15 19 58	15 11 28
	AUG.	14 8 42	14 3 45
	○	29 3 4	28 21 33
	SEPT.	12 21 26	12 21 15
	OCT.	12 10 10	12 14 53
	NOV.	10 22 54	11 7 33
	DEC.	10 11 33	10 22 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 914.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 30 17 41	JAN.	9 0 22	9 11 9
	FEB.	7 13 6	7 21 41
	MAR.	9 1 51	9 6 30
	APRIL	7 14 35	7 14 12
	MAY	7 8 19	6 21 42
	JUNE	5 16 8	5 6 4
	JULY	5 4 47	4 16 18
	○	19 23 9	20 4 35
	AUG.	8 17 31	8 5 15
	SEPT.	2 6 15	1 21 1
	OCT.	1 18 59	1 15 2
		31 7 43	31 10 5
	NOV.	29 20 27	30 4 37
	DEC.	29 9 11	29 21 17
913. C.B. 29 23 30	○	13 3 33	12 21 1
	JAN.	27 21 55	28 11 16
	FEB.	26 10 39	26 22 25
	MAR.	26 23 23	27 7 13
	APRIL	25 12 7	25 14 29
	MAY	25 0 51	24 21 13
	JUNE	23 13 35	23 4 30
	○	8 7 57	8 14 5
	JULY	23 2 19	22 13 29
	AUG.	21 15 3	21 1 5
	SEPT.	20 3 47	19 15 46
	OCT.	19 16 31	19 9 15
	NOV.	18 5 15	18 4 33
	DEC.	17 17 59	18 0 2
912. A. 30 5 19	○	1 12 21	1 9 29
	JAN.	16 6 43	16 13 2
	FEB.	14 19 27	15 9 19
	MAR.	16 8 12	16 21 32
	APRIL	14 20 56	15 6 59
	MAY	14 9 40	14 14 31
	JUNE	12 22 24	12 21 15
	○	27 16 46	27 16 41
	JULY	12 11 8	12 4 14
	AUG.	10 23 52	10 12 35
	SEPT.	9 12 36	8 23 10
	OCT.	9 1 20	8 12 34
	NOV.	7 14 4	7 4 48
	DEC.	7 2 48	6 23 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 911.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 30 11 8	JAN.	5 15 32	5 18 23
	FEB.	4 4 16	4 12 49
	MAR.	5 17 1	6 5 10
	APRIL	4 5 45	4 18 40
	MAY	3 18 29	4 5 22
	JUNE	2 7 12	2 13 54
	JULY	1 19 55	1 21 20
		31 8 39	31 4 46
	AUG.	29 21 23	29 13 9
	SEPT.	28 10 7	27 23 14
	OCT.	27 22 51	27 11 30
	NOV.	26 11 35	26 2 4
	DEC.	26 0 19	25 18 37
910. F. 30 16 57	JAN.	24 13 3	24 12 22
	FEB.	23 1 48	23 6 13
	MAR.	24 14 33	24 22 57
	APRIL	23 3 17	23 13 38
	○	7 21 39	7 14 13
	MAY	22 16 1	23 1 59
	JUNE	21 4 45	21 12 15
	JULY	20 17 29	20 21 10
	AUG.	19 6 13	19 5 45
	SEPT.	17 18 57	17 14 46
	OCT.	17 7 41	17 0 50
	○	1 2 3	1 7 10
	NOV.	15 20 25	15 12 18
	DEC.	15 9 9	15 1 11
909. E.D. 29 22 45	JAN.	13 21 53	13 15 29
	FEB.	12 10 37	12 6 59
	MAR.	12 23 22	12 23 10
	APRIL	11 12 6	11 15 23
	○	26 6 28	26 5 58
	MAY	11 0 50	11 6 46
	JUNE	9 13 34	9 20 43
	JULY	9 2 18	9 9 12
	AUG.	7 15 2	7 20 16
	SEPT.	6 3 46	6 6 36
	OCT.	5 16 30	5 16 49
	○	20 10 52	20 6 44
	NOV.	4 5 14	4 3 19
	DEC.	3 17 58	3 14 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 908. C. March. d. h. m. 30 4 34	JAN.	2 6 42	2 1 44
		31 19 26	31 18 48
	FEB.	...	...
	MAR.	2 8 11	2 2 43
		31 20 55	31 16 36
	○	15 15 17	15 23 6
	APRIL	30 9 39	30 7 26
	MAY	29 22 23	29 22 46
	JUNE	28 11 7	28 14 3
	JULY	27 23 51	28 4 37
	AUG.	26 12 35	26 18 12
	SEPT.	25 1 19	25 6 50
	○	9 19 41	9 7 54
	OCT.	24 14 3	24 18 43
	NOV.	23 2 47	23 6 2
	DEC.	22 15 31	22 16 50
907. B. 30 10 23	JAN.	21 4 15	21 3 11
	FEB.	19 16 59	19 13 22
	MAR.	21 5 43	20 23 50
	APRIL	19 18 27	19 11 15
	MAY	19 7 11	19 0 8
	JUNE	17 19 55	17 14 33
	JULY	17 8 39	17 6 24
	AUG.	15 21 23	15 22 41
	SEPT.	14 10 7	14 14 45
	OCT.	13 22 51	14 5 55
	NOV.	12 11 35	12 19 49
	DEC.	12 0 19	12 8 15
906. A. 30 16 12	JAN.	10 13 3	10 19 13
	FEB.	9 1 47	9 4 54
	○	23 20 9	24 3 43
	MAR.	10 14 32	10 13 42
	APRIL	9 3 16	8 22 15
	MAY	8 16 0	8 7 30
	JUNE	7 4 44	6 18 21
	JULY	6 17 28	6 7 27
	AUG.	5 6 12	4 22 51
	○	20 0 34	19 21 21
	SEPT.	3 18 56	3 16 3
	OCT.	3 7 40	3 10 0
	NOV.	1 20 24	2 3 30
	DEC.	1 9 8	1 19 31
		30 21 52	31 9 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 905. G.F. March. d. h. m. 29 22 1	JAN.	29 10 36	29 20 53
	○	13 4 58	13 3 42
	FEB.	27 23 21	28 6 22
	MAR.	28 12 5	28 14 20
	APRIL	27 0 49	26 21 39
	MAY	26 13 33	26 5 19
	JUNE	25 2 17	24 14 27
	JULY	24 15 1	24 1 59
	○	8 9 23	8 13 10
	AUG.	23 3 45	22 16 26
	SEPT.	21 16 29	21 9 34
	OCT.	21 5 13	21 4 26
	NOV.	19 17 57	19 23 33
	DEC.	19 6 41	19 17 22
904. E. 30 3 50	JAN.	17 19 25	18 8 44
	FEB.	16 8 9	16 21 12
	MAR.	17 20 53	18 6 59
	APRIL	16 9 37	16 14 47
	MAY	15 22 21	15 21 35
	JUNE	14 11 5	14 4 25
	JULY	13 23 49	13 12 27
	AUG.	12 12 33	11 22 43
	SEPT.	11 1 17	10 11 54
	OCT.	10 14 1	10 4 8
	NOV.	9 2 45	8 22 45
	DEC.	8 15 29	8 18 23
	○	23 9 51	23 8 26
903. D. 30 9 33	JAN.	7 4 13	7 13 16
	FEB.	5 16 57	6 5 57
	MAR.	7 5 42	7 19 33
	APRIL	5 18 26	6 6 19
	MAY	5 7 10	5 14 38
	JUNE	3 19 54	3 21 39
	○	18 14 16	18 12 8
	JULY	3 8 38	3 4 25
	AUG.	1 21 22	1 12 4
		31 10 6	30 21 34
	SEPT.	29 22 50	29 9 36
	OCT.	29 11 34	29 0 29
	NOV.	28 0 18	27 17 51
	○	12 18 40	13 0 16
	DEC.	27 13 2	27 12 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 902.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 30 15 27	JAN.	26 1 46	26 7 34
	FEB.	24 14 31	25 1 0
	MAR.	26 8 15	26 15 58
	APRIL	24 15 59	25 8 54
	MAY	24 4 43	24 13 28
	○	7 23 5	7 13 58
	JUNE	22 17 27	22 21 25
	JULY	22 6 11	22 4 54
	AUG.	20 18 55	20 12 52
	SEPT.	19 7 39	18 22 11
	OCT.	18 20 23	18 9 24
	NOV.	17 9 7	16 22 49
	○	2 8 29	2 13 30
	DEC.	16 21 51	16 14 18
901. B.A. 29 21 16	JAN.	15 10 35	15 7 22
	FEB.	13 23 19	14 1 8
	MAR.	14 12 8	14 18 16
	APRIL	13 0 47	13 9 58
	MAY	12 13 31	12 23 31
	○	27 7 53	26 22 19
	JUNE	11 2 15	11 10 52
	JULY	10 14 59	10 20 32
	AUG.	9 3 43	9 5 24
	SEPT.	7 16 27	7 14 19
	OCT.	7 5 11	7 0 0
	NOV.	5 17 55	5 10 49
	DEC.	5 6 39	4 22 55
900. G. 30 3 5	JAN.	3 19 23	3 12 21
	FEB.	2 8 7	2 3 0
	MAR.	3 20 52	3 18 38
	APRIL	2 9 36	2 10 41
	MAY	1 22 20	2 2 29
		31 11 4	31 17 17
	JUNE	29 23 48	30 6 39
	JULY	29 12 32	29 18 35
	AUG.	28 1 16	28 5 29
	SEPT.	26 14 0	26 15 56
	OCT.	26 2 44	26 2 27
	NOV.	24 15 28	24 13 13
	DEC.	24 4 12	24 0 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 899.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 30 8 54	JAN.	22 16 56	22 11 52
	FEB.	21 5 40	21 0 2
	MAR.	22 18 24	22 13 6
	○	6 12 46	6 22 52
	APRIL	21 7 8	21 3 15
	MAY	20 19 52	20 18 18
	JUNE	19 8 36	19 9 42
	JULY	18 21 20	19 0 53
	AUG.	17 10 4	17 15 14
	SEPT.	15 22 43	16 4 38
	○	30 17 10	30 4 6
	OCT.	15 11 32	15 17 8
	NOV.	14 0 16	14 4 51
	DEC.	13 13 0	13 15 56
898. E. 30 14 43	JAN.	12 1 44	12 2 23
	FEB.	10 14 28	10 12 24
	MAR.	12 3 13	11 22 24
	○	26 21 36	27 10 58
	APRIL	10 15 57	10 8 59
	MAY	10 4 41	9 20 53
	JUNE	8 17 25	8 10 29
	JULY	8 6 9	8 1 42
	AUG.	6 18 53	6 17 59
	SEPT.	5 7 37	5 10 31
	○	20 1 59	19 14 26
	OCT.	4 20 21	5 2 30
	NOV.	3 9 5	3 17 18
	DEC.	2 21 49	3 6 36
897. D.C. 29 20 31	JAN.	1 10 33	1 18 18
		30 23 17	31 4 28
	FEB.	29 12 2	29 13 27
	MAR.	30 0 46	29 21 48
	APRIL	28 13 30	28 6 23
	MAY	28 2 14	27 16 9
	JUNE	26 14 58	26 4 0
	JULY	26 3 42	25 18 18
	AUG.	24 16 26	24 10 51
	○	8 10 48	8 5 52
	SEPT.	23 5 10	23 4 47
	OCT.	22 17 54	22 22 53
	NOV.	21 6 38	21 15 56
	DEC.	20 19 22	21 7 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
B.C. 896.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 30 2 20	JAN.	19 8 6	19 19 39
	FEB.	17 20 50	18 5 57
	MAR.	19 9 31	19 14 25
	APRIL	17 22 18	17 21 48
	MAY	17 11 2	17 5 2
	JUNE	15 28 46	15 13 14
	JULY	15 12 30	14 23 28
	○	30 6 52	30 12 7
	AUG.	14 1 14	13 12 28
	SEPT.	12 13 58	12 4 26
	OCT.	12 2 42	11 22 43
	NOV.	10 15 26	10 18 2
	DEC.	10 4 10	10 12 46
895. A. 30 8 9	JAN.	8 16 54	9 5 28
	○	28 11 16	28 5 15
	FEB.	7 5 38	7 19 21
	MAR.	8 18 28	9 6 20
	APRIL	7 7 7	7 14 54
	MAY	6 19 51	6 21 58
	JUNE	5 8 35	5 4 38
	JULY	4 21 19	4 11 57
	○	19 15 41	19 21 5
	AUG.	3 10 3	2 21 3
	SEPT.	1 22 47	1 8 47
	OCT.	1 11 31	30 23 36
		31 0 15	30 17 13
	NOV.	29 12 59	29 12 32
	DEC.	29 1 43	29 7 57
894. G. 30 13 58	○	12 20 5	12 18 10
	JAN.	27 14 27	28 1 49
	FEB.	26 3 11	26 16 58
	MAR.	27 15 56	28 4 3
	APRIL	26 4 40	26 14 24
	MAY	25 17 24	25 21 56
	JUNE	24 6 8	24 4 45
	○	9 0 30	8 23 18
	JULY	23 18 52	23 11 56
	AUG.	22 7 36	21 20 32
	SEPT.	20 20 20	20 7 20
	OCT.	20 9 4	19 20 50
	NOV.	18 21 48	18 13 1
	DEC.	18 10 32	18 7 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 893.		*d. h. m.*	*d. h. m.*
F.E. March. *d. h. m.* 29 19 47	JAN.	16 23 16	17 2 5
	FEB.	15 12 0	15 20 13
	MAR.	16 0 44	16 12 20
	APRIL	14 13 28	15 1 45
	MAY	14 2 12	14 12 30
	JUNE	12 14 56	12 21 13
	JULY	12 3 40	12 4 57
	AUG.	10 16 24	10 12 44
	SEPT.	9 5 8	8 21 28
	OCT.	8 17 52	8 7 48
	NOV.	7 6 36	6 20 8
	DEC.	6 19 20	6 10 32
892. D. 30 1 36	JAN.	5 8 4	5 2 41
	FEB.	3 20 48	3 19 56
	MAR.	5 9 33	5 18 20
	APRIL	3 22 17	4 5 45
	MAY	3 11 1	3 20 24
	○	18 5 23	17 21 27
	JUNE	1 23 45	2 8 54
	JULY	1 12 29	1 19 29
		31 1 13	31 4 51
	AUG.	29 13 57	29 13 54
	SEPT.	28 2 41	27 23 20
	OCT.	27 15 25	27 9 39
	○	11 9 47	11 15 15
	NOV.	26 4 9	25 21 8
	DEC.	25 16 53	25 9 45
891. C. 30 7 24	JAN.	24 5 37	23 23 34
	FEB.	22 18 21	22 14 26
	MAR.	24 7 6	24 6 6
	APRIL	22 19 50	22 21 57
	○	7 14 12	7 13 28
	MAY	22 8 34	22 13 18
	JUNE	20 21 18	21 3 32
	JULY	20 10 2	20 16 22
	AUG.	18 22 46	19 4 0
	SEPT.	17 11 30	17 14 54
	OCT.	17 0 14	17 1 34
	○	31 18 36	31 14 38
	NOV.	15 12 58	15 12 16
	DEC.	13 1 42	14 23 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 890. B. March. *d. h. m.* 30 13 13	JAN.	13 14 26	13 10 19
	FEB.	12 3 10	11 21 52
	MAR.	13 15 54	13 10 9
	APRIL	12 4 38	11 23 28
	○	26 23 0	27 6 35
	MAY	11 17 22	11 13 57
	JUNE	10 6 6	10 5 13
	JULY	9 18 50	9 20 42
	AUG.	8 7 34	8 11 45
	SEPT.	6 20 18	7 1 57
	OCT.	6 9 2	6 15 11
	○	21 3 24	20 15 59
	NOV.	4 21 46	5 3 29
	DEC.	4 10 30	4 14 57
889. A.G. 29 19 2	JAN.	2 23 14	3 1 39
	FEB.	1 11 58	1 11 40
	MAR.	2 0 43	1 21 21
		31 13 27	31 7 17
	APRIL	30 2 11	29 18 13
	MAY	29 14 55	29 6 47
	JUNE	28 3 39	27 21 12
	JULY	27 16 23	27 13 9
	AUG.	26 5 7	26 5 54
	SEPT.	24 17 51	24 22 31
	OCT.	24 6 35	24 14 15
	NOV.	22 19 19	23 4 30
	DEC.	22 3 3	22 17 2
888. F. 30 0 51	JAN.	20 20 47	21 3 52
	FEB.	19 9 31	19 13 13
	○	6 3 53	6 10 55
	MAR.	20 22 16	20 21 35
	APRIL	19 11 0	19 5 42
	MAY	18 23 44	18 14 36
	JUNE	17 12 28	17 1 15
	JULY	17 1 12	16 14 17
	AUG.	15 13 56	15 5 53
	○	30 8 18	30 5 32
	SEPT.	14 2 40	13 23 25
	OCT.	13 15 24	13 17 50
	NOV.	12 4 8	12 11 43
	DEC.	11 16 52	12 3 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 887. E. March. *d. h. m.* 30 6 39	JAN.	10 5 36	10 17 52
	FEB.	8 18 20	9 5 14
	○	23 12 42	23 11 2
	MAR.	10 7 4	10 14 23
	APRIL	8 19 48	8 22 2
	MAY	8 8 32	8 5 5
	JUNE	6 21 16	6 12 35
	JULY	6 10 0	5 21 40
	AUG.	4 22 44	4 9 14
	○	19 17 6	19 21 2
	SEPT.	3 11 28	2 23 50
	OCT.	3 0 12	2 17 11
	NOV.	1 12 56	1 12 19
	DEC.	1 1 40	1 7 46
		30 14 24	31 1 30
886. D. 30 12 28	JAN.	29 3 8	29 16 49
	FEB.	27 15 52	28 5 7
	MAR.	29 4 37	29 14 43
	APRIL	27 17 21	27 22 19
	MAY	27 6 5	27 5 1
	JUNE	25 18 49	25 11 53
	JULY	25 7 33	24 20 1
	AUG.	23 20 17	23 6 25
	SEPT.	22 9 1	21 19 46
	OCT.	21 21 45	21 12 7
	NOV.	20 10 29	20 6 45
	DEC.	19 23 13	20 2 18
885. C.B. 29 18 17	○	3 17 35	3 17 15
	JAN.	18 11 57	18 21 3
	FEB.	17 0 41	17 13 31
	MAR.	17 13 25	18 3 6
	APRIL	16 2 9	16 13 40
	MAY	15 14 53	15 21 59
	JUNE	14 3 37	14 5 4
	JULY	13 16 21	13 12 3
	AUG.	12 5 5	11 19 58
	SEPT.	10 17 49	10 5 42
	OCT.	10 6 33	9 17 53
	NOV.	8 19 17	8 8 46
	DEC.	8 8 1	8 1 58
	○	23 2 23	23 9 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 884.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 30 0 6	JAN.	6 20 45	6 20 31
	FEB.	5 9 29	5 15 1
	MAR.	6 22 14	7 8 10
	APRIL	5 10 58	5 22 55
	MAY	4 23 42	5 10 57
	JUNE	3 12 26	3 20 39
	○	18 6 48	17 20 42
	JULY	3 1 10	3 4 53
	AUG.	1 13 54	1 12 42
		31 2 38	30 21 3
	SEPT.	29 15 22	29 6 40
	OCT.	29 4 6	28 18 3
	NOV.	27 16 50	27 7 22
	○	12 11 12	12 22 7
	DEC.	27 5 31	26 22 32
883. G. 30 5 55	JAN.	25 18 18	25 15 6
	FEB.	24 7 2	24 8 17
	MAR.	25 19 47	26 1 8
	APRIL	24 8 31	24 16 41
	MAY	23 21 15	24 6 18
	○	7 15 37	7 5 27
	JUNE	22 9 59	22 17 56
	JULY	21 22 43	22 4 2
	AUG.	20 11 27	20 13 22
	SEPT.	19 0 11	18 22 46
	OCT.	18 12 55	18 8 43
	NOV.	17 1 39	16 19 41
	DEC.	16 14 23	16 7 30
882. F. 30 11 44	JAN.	15 3 7	14 20 39
	FEB.	13 15 51	13 10 43
	MAR.	15 4 35	15 1 45
	APRIL	13 17 19	13 17 22
	MAY	13 6 3	13 8 57
	JUNE	11 18 47	11 23 52
	JULY	11 7 31	11 13 35
	AUG.	9 20 15	10 2 8
	SEPT.	8 8 59	8 13 32
	OCT.	7 21 43	8 0 30
	NOV.	6 10 27	6 11 21
	DEC.	5 23 11	5 22 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 881.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 29 17 32	JAN.	4 11 55	4 9 5
	FEB.	3 0 39	2 20 9
	MAR.	3 13 24	3 7 44
	APRIL	2 2 8	1 20 13
	○	16 20 30	17 6 23
	MAY	1 14 52	1 9 55
		31 3 36	31 0 44
	JUNE	29 16 20	29 16 15
	JULY	29 5 4	29 7 46
	AUG.	27 17 48	27 22 44
	SEPT.	26 6 32	26 12 46
	○	11 0 54	10 12 15
	OCT.	25 19 16	26 1 46
	NOV.	24 8 0	24 13 46
	DEC.	23 20 44	24 0 51
880. C. 29 23 21	JAN.	22 9 28	22 11 2
	FEB.	20 22 12	20 20 36
	MAR.	22 10 57	22 6 3
	○	6 5 19	6 18 9
	APRIL	20 23 41	20 16 8
	MAY	20 12 25	20 3 40
	JUNE	19 1 9	18 17 4
	JULY	18 13 53	18 8 22
	AUG.	17 2 37	17 1 0
	SEPT.	15 15 21	15 18 5
	○	30 9 43	29 22 51
	OCT.	15 4 5	15 10 37
	NOV.	13 16 49	14 1 52
	DEC.	13 5 33	13 15 22
879. B. 30 5 10	JAN.	11 18 17	12 3 0
	FEB.	10 7 1	10 12 54
	MAR.	11 19 45	11 21 28
	APRIL	10 8 29	10 5 23
	MAY	9 21 13	9 13 36
	JUNE	8 9 57	7 23 9
	JULY	7 22 41	7 10 53
	AUG.	6 11 25	6 1 16
	SEPT.	5 0 9	4 18 5
	○	19 18 31	19 14 18
	OCT.	4 12 53	4 12 25
	NOV.	3 1 37	3 6 56
	DEC.	2 14 21	3 0 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 878. A.	JAN.	1 8 5	1 15 27
		30 15 49	31 4 0
March. *d. h. m.* 30 10 59	FEB.	...	...
	MAR.	1 4 34	1 14 5
		30 17 18	30 22 14
	APRIL	29 6 2	29 5 20
	MAY	28 18 46	28 12 24
	JUNE	27 7 30	26 20 30
	JULY	26 20 14	26 6 45
	AUG.	25 8 58	24 19 53
	SEPT.	23 21 42	23 12 2
	OCT.	23 10 26	23 6 33
	NOV.	21 23 10	22 2 2
	DEC.	21 11 54	21 20 52
877. G.F.	JAN.	20 0 38	20 13 52
	○	8 19 0	8 13 24
	FEB.	18 13 22	19 3 17
29 16 48	MAR.	19 2 7	19 14 5
	APRIL	17 14 51	17 22 28
	MAY	17 3 35	17 5 26
	JUNE	15 16 19	15 12 5
	JULY	15 5 3	14 19 31
	○	29 23 25	30 4 10
	AUG.	13 17 47	13 4 45
	SEPT.	12 6 31	11 16 39
	OCT.	11 19 15	11 7 36
	NOV.	10 7 59	10 1 15
	DEC.	9 20 43	9 20 30
876. E.	JAN.	8 9 27	8 15 46
	○	23 3 49	23 2 45
	FEB.	6 22 11	7 9 27
29 22 37	MAR.	8 10 55	9 0 27
	APRIL	6 23 39	7 12 24
	MAY	6 12 23	6 21 43
	JUNE	5 1 7	5 5 19
	JULY	4 18 51	4 12 18
	○	19 8 13	19 5 57
	AUG.	3 2 35	2 19 45
	SEPT.	1 15 19	1 4 38
	OCT.	1 4 3	30 15 38
		30 16 47	30 5 13
	NOV.	29 5 31	28 21 15
	DEC.	28 18 15	28 15 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 875. D. March. *d. h. m.* 30 4 25	JAN.	27 6 59	27 9 38
	FEB.	25 19 43	26 3 26
	MAR.	27 8 28	27 19 23
	APRIL	25 21 12	26 8 45
	MAY	25 9 56	25 19 36
	JUNE	23 22 40	24 4 34
	JULY	23 11 24	23 12 33
	AUG.	22 0 8	21 20 49
	SEPT.	20 12 52	20 5 54
	OCT.	20 1 36	19 16 23
	NOV.	18 14 20	18 4 48
	DEC.	18 3 4	17 18 57
874. C.	JAN.	16 15 48	16 10 39
	FEB.	15 4 32	15 3 22
30 10 14	MAR.	16 17 16	16 20 17
	APRIL	15 6 0	15 12 26
	MAY	14 18 44	15 3 4
	○	29 13 6	29 4 41
	JUNE	13 7 28	13 15 46
	JULY	12 20 12	13 2 46
	AUG.	11 8 56	11 12 33
	SEPT.	9 21 40	9 22 9
	OCT.	9 10 21	9 8 0
	NOV.	7 23 8	7 18 33
	○	22 17 30	22 23 19
	DEC.	7 11 52	7 5 57
873. B.A.	JAN.	6 0 36	5 18 15
	FEB.	4 13 20	4 7 31
29 16 3	MAR.	5 2 5	4 21 48
	APRIL	3 14 49	3 12 55
	MAY	3 3 33	3 4 27
	○	17 21 55	17 20 54
	JUNE	1 16 17	1 19 46
	JULY	1 5 1	1 10 17
		30 17 45	30 23 37
	AUG.	29 6 29	29 12 14
	SEPT.	27 19 13	27 23 17
	OCT.	27 7 57	27 10 21
	○	11 2 19	10 22 34
	NOV.	25 20 41	25 21 15
	DEC.	25 9 25	25 8 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 872. G. March. *d. h. m.* 29 21 52	JAN.	28 22 9	28 18 48
	FEB.	22 10 53	22 5 48
	MAR.	28 23 38	28 17 30
	APRIL	22 12 22	22 6 19
	○	7 6 44	7 13 59
	MAY	22 1 6	21 20 27
	JUNE	20 13 50	20 11 42
	JULY	20 2 34	20 3 27
	AUG.	18 15 18	18 19 0
	SEPT.	17 4 2	17 9 50
	OCT.	16 16 46	16 23 37
	○	31 11 8	31 0 13
	NOV.	15 5 30	15 12 18
	DEC.	14 18 14	14 23 53
871. F. 30 3 41	JAN.	13 6 58	13 10 24
	FEB.	11 19 42	11 20 2
	MAR.	13 8 26	13 5 12
	APRIL	11 21 10	11 14 37
	MAY	11 9 54	11 1 9
	JUNE	9 22 33	9 13 27
	JULY	9 11 22	9 3 50
	AUG.	8 0 6	7 20 0
	SEPT.	6 12 50	6 13 13
	OCT.	6 1 34	6 6 24
	NOV.	4 14 18	4 22 36
	DEC.	4 3 2	4 13 10
870. E. 30 9 30	JAN.	2 15 46	3 1 45
	FEB.	1 4 30	1 12 22
	MAR.	2 17 15	2 21 21
	○	17 11 37	17 17 54
	APRIL	1 5 59	1 5 18
		30 18 43	30 13 5
	MAY	30 7 27	29 21 42
	JUNE	28 20 11	28 8 12
	JULY	28 8 55	27 21 16
	AUG.	26 21 39	26 13 2
	○	10 16 1	10 13 50
	SEPT.	25 10 23	25 6 55
	OCT.	24 23 7	25 1 42
	NOV.	23 11 51	23 19 57
	DEC.	23 0 35	23 12 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 869. D.C. March. *d. h. m.* 29 15 18	JAN.	21 13 19	22 2 14
	FEB.	20 2 8	20 13 23
	○	5 20 25	5 18 14
	MAR.	20 14 48	20 22 16
	APRIL	19 8 32	19 5 39
	MAY	18 16 16	18 12 30
	JUNE	17 5 0	16 19 55
	JULY	16 17 44	16 4 59
	AUG.	15 6 28	14 16 40
	○	30 0 50	30 5 0
	SEPT.	13 19 12	13 7 25
	OCT.	13 7 56	13 0 57
	NOV.	11 20 40	11 20 15
	DEC.	11 9 24	11 15 39
868. B. 29 21 7	JAN.	9 22 8	10 9 32
	FEB.	8 10 52	9 0 45
	○	23 5 14	22 23 35
	MAR.	9 23 36	10 12 53
	APRIL	8 12 20	8 22 17
	MAY	8 1 4	8 5 47
	JUNE	6 13 48	6 12 28
	JULY	6 2 32	5 19 24
	AUG.	4 15 16	4 3 42
	SEPT.	3 4 0	2 14 16
	OCT.	2 16 44	2 3 46
	NOV.	1 5 28	31 20 10
		30 18 12	30 14 46
	DEC.	30 6 56	30 10 8
867. A. 30 2 56	○	14 1 18	14 1 58
	JAN.	28 19 40	29 4 41
	FEB.	27 8 24	27 21 2
	MAR.	28 21 9	29 10 26
	APRIL	27 9 53	27 20 58
	MAY	26 22 37	27 5 19
	JUNE	25 11 21	25 12 34
	JULY	25 0 5	24 19 48
	AUG.	23 12 49	23 8 59
	SEPT.	22 1 33	21 13 59
	OCT.	21 14 17	21 2 19
	NOV.	20 3 1	19 17 9
	DEC.	19 15 45	19 10 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 866. G. March. *d. h. m.* 30 8 45	○	8 10 7	8 17 55
	JAN.	18 4 29	18 4 14
	FEB.	16 17 18	16 22 23
	MAR.	18 5 58	18 15 14
	APRIL	16 18 42	17 5 50
	MAY	16 7 26	16 17 57
	JUNE	14 20 10	15 8 52
	○	29 14 32	29 8 30
	JULY	14 8 54	14 12 26
	AUG.	12 21 38	12 20 38
	SEPT.	11 10 22	11 5 22
	OCT.	10 28 6	10 15 18
	NOV.	9 11 50	9 2 48
	DEC.	9 0 34	8 15 58
	○	23 18 56	24 6 40
865. F.E. 29 14 31	JAN.	7 18 18	7 6 43
	FEB.	6 2 2	5 22 45
	MAR.	6 14 46	6 15 25
	APRIL	5 8 30	5 7 52
	MAY	4 16 14	4 23 16
	JUNE	3 4 58	3 13 2
	○	17 23 20	17 12 39
	JULY	2 17 42	3 1 1
	AUG.	1 6 26	1 11 35
		30 19 10	30 21 26
	SEPT.	29 7 54	29 7 17
	OCT.	28 20 38	28 17 37
	NOV.	27 9 22	27 4 37
	DEC.	26 22 6	26 16 21
864. D. 29 20 23	JAN.	25 10 50	25 4 53
	FEB.	23 23 34	23 18 20
	MAR.	25 12 19	25 8 47
	APRIL	24 1 3	23 23 58
	MAY	23 13 47	23 15 24
	JUNE	22 2 31	22 6 23
	JULY	21 15 15	21 20 37
	AUG.	20 3 59	20 9 39
	SEPT.	18 16 43	18 21 45
	OCT.	18 5 27	18 9 12
	NOV.	16 18 11	16 20 18
	DEC.	16 6 55	16 7 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 863. C. March. *d. h. m.* 30 2 11	JAN.	14 19 39	14 17 45
	FEB.	13 8 23	13 4 19
	MAR.	14 21 8	14 15 19
	APRIL	13 9 52	13 8 15
	○	23 4 14	23 13 47
	MAY	12 22 36	12 16 32
	JUNE	11 11 20	11 7 12
	JULY	11 0 4	10 22 52
	AUG.	9 12 48	9 14 50
	SEPT.	8 1 32	8 6 22
	OCT.	7 14 16	7 21 0
	○	22 8 38	21 20 32
	NOV.	6 3 0	6 10 27
	DEC.	5 15 44	5 22 41
862. B. 30 8 0	JAN.	4 4 28	4 9 40
	FEB.	2 17 12	2 19 33
	MAR.	4 5 56	4 4 39
	APRIL	2 18 40	2 13 37
	○	17 13 2	18 1 14
	MAY	2 7 21	1 23 14
		31 20 8	31 10 26
	JUNE	30 8 52	29 23 44
	JULY	29 21 36	29 15 10
	AUG.	28 10 20	28 8 9
	SEPT.	26 23 4	27 1 43
	○	11 17 26	11 7 24
	OCT.	26 11 48	26 18 46
	NOV.	25 0 32	25 10 24
	DEC.	24 13 16	25 0 3
861. A.G. 29 13 49	JAN.	23 2 0	23 11 33
	FEB.	21 14 44	21 21 9
	MAR.	22 3 29	22 5 21
	○	5 21 51	6 5 20
	APRIL	20 16 13	20 12 55
	MAY	20 4 57	19 20 50
	JUNE	18 17 41	18 6 12
	JULY	18 6 25	17 17 55
	AUG.	16 19 9	16 8 25
	SEPT.	15 7 53	15 1 30
	○	30 2 15	29 22 54
	OCT.	14 20 37	14 20 10
	NOV.	13 9 21	13 15 2
	DEC.	12 22 5	13 8 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 860. F. March. d. h. m. 29 19 38		d. h. m.	d. h. m.
	JAN. .	11 10 49	11 23 48
	FEB. .	9 28 33	10 12 13
	MAR. .	11 12 17	11 22 1
	APRIL	10 1 1	10 5 55
	MAY .	9 13 45	9 12 49
	JUNE .	8 2 29	7 19 45
	JULY .	7 15 13	7 3 51
	AUG. .	6 3 57	5 14 10
	SEPT. .	4 16 41	4 3 26
	OCT. .	4 5 25	3 19 46
	NOV. .	2 18 9	2 14 25
	DEC. .	2 6 53 31 19 37	2 10 0 ...
859. E. 30 1 27	JAN. .	... 30 8 21	1 4 50 30 21 27
	○	14 2 43	13 21 25
	FEB. .	28 21 6	1 11 4
	MAR. .	30 9 50	30 21 41
	APRIL	23 22 34	29 5 57
	MAY .	28 11 18	28 12 53
	JUNE .	27 0 2	26 19 36
	JULY .	26 12 46	26 3 10
	○	10 7 8	10 11 20
	AUG. .	25 1 30	24 12 36
	SEPT. .	23 14 14	23 0 41
	OCT. .	23 2 58	22 15 42
	NOV. .	21 15 42	21 9 18
	DEC. .	21 4 26	21 4 24
858. D. 30 7 16	JAN. .	19 17 10	19 23 23
	○	3 11 32	3 11 12
	FEB. .	18 5 54	18 16 55
	MAR. .	19 18 39	20 7 45
	APRIL	18 7 23	18 19 38
	MAY .	17 20 7	18 4 59
	JUNE .	16 8 51	16 12 44
	JULY .	15 21 35	15 19 56
	○	30 15 57	30 12 45
	AUG. .	14 10 19	14 3 43
	SEPT. .	12 23 3	12 12 52
	OCT. .	12 11 47	12 0 6
	NOV. .	11 0 31	10 13 40
	DEC. .	10 13 15	10 5 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 857. C.B. March. d. h. m. 29 13 4		d. h. m.	d. h. m.
	JAN. .	9 1 59	8 23 1
	○	23 20 21	24 3 26
	FEB. .	7 14 43	7 17 7
	MAR. .	8 3 27	8 10 33
	APRIL	6 16 11	7 2 16
	MAY .	6 4 55	6 15 37
	JUNE .	4 17 39	5 2 29
	JULY .	4 6 23	4 11 57
	AUG. .	2 19 7	2 20 25
	SEPT. .	1 7 51 30 20 35	1 5 0 30 14 27
	OCT. .	30 9 19	30 1 14
	NOV. .	28 22 3	28 13 32
	DEC. .	28 10 47	28 3 20
856. A. 29 18 53	JAN. .	26 23 31	26 18 31
	FEB. .	25 12 15	25 10 40
	MAR. .	27 1 0	27 3 7
	APRIL	25 18 44	25 19 3
	MAY .	25 2 28	25 9 41
	○	8 20 50	8 11 58
	JUNE .	23 15 12	23 22 41
	JULY .	23 3 56	23 10 8
	AUG. .	21 16 40	21 20 31
	SEPT. .	20 5 24	20 6 33
	OCT. .	19 18 8	19 16 47
	NOV. .	18 6 52	18 3 30
	○	3 1 14	3 7 24
	DEC. .	17 19 36	17 14 48
855. G. 30 0 42	JAN. .	16 8 20	16 2 42
	FEB. .	14 21 4	14 15 24
	MAR. .	16 9 49	16 5 3
	APRIL	14 22 33	14 19 39
	MAY .	14 11 17	14 10 54
	○	29 5 39	29 4 22
	JUNE .	13 0 1	13 2 16
	JULY .	12 12 45	12 17 5
	AUG. .	11 1 29	11 6 58
	SEPT. .	9 14 13	9 19 48
	OCT. .	9 2 57	9 7 48
	NOV. .	7 15 41	7 19 14
	○	22 10 3	22 6 33
	DEC. .	7 4 25	7 6 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 854. F. March. *d. h. m.* 30 6 31	JAN. .	5 17 9	5 16 51
	FEB. .	4 5 58	4 8 12
	MAR. .	5 18 37	5 13 38
	APRIL	4 7 21	4 0 44
	MAY .	3 20 5	3 13 5
	○	18 14 27	18 21 21
	JUNE .	2 8 49	2 2 57
	JULY .	1 21 33	1 18 14
		31 10 17	31 10 17
	AUG. .	29 23 1	30 2 21
	SEPT. .	28 11 45	28 17 48
	OCT. .	28 0 29	28 8 7
	○	11 18 51	11 8 30
	NOV. .	26 13 13	26 21 8
	DEC. .	26 1 57	26 8 44
853. E.D. 29 12 20	JAN. .	24 14 41	24 19 1
	FEB. .	23 8 25	23 4 15
	MAR. .	23 16 10	23 12 58
	APRIL	22 4 54	21 21 56
	MAY .	21 17 38	21 8 4
	JUNE .	20 6 22	19 20 10
	JULY .	19 19 6	19 10 36
	AUG. .	18 7 50	18 3 2
	SEPT. .	16 20 34	16 20 40
	OCT. .	16 9 18	16 14 22
	NOV. .	14 22 2	15 7 0
	DEC. .	14 10 46	14 21 48
852. C. 29 18 9	JAN. .	12 23 30	13 10 20
	FEB. .	11 12 14	11 20 44
	MAR. .	13 0 59	13 5 23
	○	27 19 21	28 0 44
	APRIL	11 13 43	11 12 59
	MAY .	11 2 27	10 20 26
	JUNE .	9 15 11	9 4 52
	JULY .	9 3 55	8 15 16
	AUG. .	7 16 39	7 4 24
	SEPT. .	6 5 23	5 20 21
	○	20 23 45	20 22 18
	OCT. .	5 18 7	5 14 33
	NOV. .	4 6 51	4 9 40
	DEC. .	3 19 35	4 4 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 851. B. March. *d. h. m.* 29 23 57	JAN. .	2 8 19	2 20 40
		31 21 8	...
	FEB. .	...	1 10 27
	MAR. ○	2 9 47	2 21 24
		17 4 9	17 1 20
		31 22 31	
	APRIL	30 11 15	1 6 2
			30 13 11
	MAY .	29 23 59	29 19 54
	JUNE .	28 12 43	28 3 17
	JULY .	28 1 27	27 12 25
	AUG. .	26 14 11	26 0 13
	○	10 8 33	10 13 6
	SEPT. .	25 2 55	24 15 7
	OCT. .	24 15 39	24 8 49
	NOV. .	23 4 23	23 4 12
	DEC. .	22 17 7	22 23 37
850. A. 30 5 46	JAN. .	21 5 51	21 17 26
	FEB. .	19 18 35	20 8 31
	○	6 12 57	6 7 14
	MAR. .	21 7 20	21 20 31
	APRIL	19 20 4	20 5 46
	MAY .	19 8 48	19 13 13
	JUNE .	17 21 32	17 19 56
	JULY .	17 10 16	17 3 2
	AUG. .	15 23 0	15 11 32
	SEPT. .	14 11 44	13 22 19
	OCT. .	14 0 28	13 11 56
	NOV. .	12 13 12	12 4 19
	DEC. .	12 1 56	11 22 46
849. G.F. 29 11 35	JAN. .	10 14 40	10 17 55
	○	25 9 2	25 10 34
	FEB. .	9 3 24	9 12 12
	MAR. .	9 16 9	10 4 21
	APRIL	8 4 53	8 17 39
	MAY .	7 17 37	8 4 10
	JUNE .	6 6 21	6 12 40
	JULY .	5 19 5	5 20 7
	AUG. .	4 7 49	4 3 39
	SEPT. .	2 20 33	2 12 11
	OCT. .	2 9 17	1 22 26
		31 22 1	31 10 52
	NOV. .	30 10 45	30 1 33
	DEC. .	29 23 29	29 13 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 848. E. March. *d. h. m.* 29 17 24	○	13 17 51	14 2 34
	JAN. .	28 12 13	28 11 51
	FEB. .	27 0 57	27 5 34
	MAR. .	28 18 41	28 22 7
	APRIL	27 2 25	27 12 40
	MAY .	26 15 9	27 0 53
	JUNE .	25 3 53	25 11 4
	○	9 22 15	9 10 24
	JULY .	24 16 37	24 20 2
	AUG. .	23 5 21	23 4 41
	SEPT. .	21 18 5	21 13 51
	OCT. .	21 6 49	21 0 3
	NOV. .	19 19 33	19 11 36
	DEC. .	19 8 17	19 0 32
847. D. 29 23 13	○	3 2 39	3 13 33
	JAN. .	17 21 1	17 14 49
	FEB. .	16 9 45	16 6 16
	MAR. .	17 22 30	17 22 24
	APRIL	16 11 14	16 14 30
	MAY .	15 23 58	16 5 50
	JUNE .	14 12 42	14 19 46
	○	29 7 4	28 19 55
	JULY .	14 1 26	14 8 9
	AUG. .	12 14 10	12 19 15
	SEPT. .	11 2 54	11 5 40
	OCT. .	10 15 38	10 15 58
	NOV. .	9 4 22	9 2 33
	DEC. .	8 17 6	8 13 31
846. C. 30 5 2	JAN. .	7 5 50	7 0 58
	FEB. .	5 18 34	5 12 59
	MAR. .	7 7 18	7 1 49
	APRIL	5 20 2	5 15 41
	MAY .	5 8 46	5 6 29
	JUNE .	3 21 30	3 21 51
	JULY .	3 10 14	3 13 6
	AUG. .	1 22 58	2 3 43
		31 11 42	31 17 21
	SEPT. .	30 0 26	30 6 2
	OCT. .	29 13 10	29 17 57
	NOV. .	28 1 54	28 5 14
	DEC. .	27 14 38	27 16 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 845. B.A. March. *d. h. m.* 29 10 50	JAN. .	26 3 22	26 2 17
	FEB. .	24 16 6	24 12 22
	MAR. .	25 4 51	24 22 47
	APRIL	23 17 35	23 10 12
	○	8 11 57	8 21 6
	MAY .	23 6 19	22 23 8
	JUNE .	21 19 3	21 13 43
	JULY .	21 7 47	21 5 34
	AUG. .	19 20 31	19 21 57
	SEPT. .	18 9 15	18 14 4
	OCT. .	17 21 59	18 5 17
	○	1 16 21	1 4 54
	NOV. .	16 10 43	16 19 9
	DEC. .	15 23 27	16 7 30
844. G. 29 16 39	JAN. .	14 12 11	14 18 22
	FEB. .	13 0 55	13 3 55
	MAR. .	14 13 40	14 12 36
	APRIL	13 2 24	12 21 5
	○	27 20 46	28 8 12
	MAY .	12 15 8	12 6 21
	JUNE .	11 3 52	10 17 16
	JULY .	10 16 36	10 6 31
	AUG. .	9 5 20	8 22 6
	SEPT. .	7 18 4	7 15 26
	OCT. .	7 6 48	7 9 9
	○	22 1 10	21 16 5
	NOV. .	5 19 32	6 2 59
	DEC. .	5 8 16	5 18 56
843. F. 29 22 28	JAN. .	3 21 0	4 8 38
	FEB. .	2 9 44	2 19 59
	MAR. .	3 22 28	4 5 16
	APRIL	2 11 12	2 13 7
	○	17 5 34	17 11 59
	MAY .	1 23 56	1 20 22
		31 12 40	31 4 4
	JUNE .	30 1 24	29 13 18
	JULY .	29 14 8	29 1 2
	AUG. .	28 2 52	27 15 41
	SEPT. .	26 15 36	26 9 1
	○	11 9 58	11 7 35
	OCT. .	26 4 20	26 4 0
	NOV. .	24 17 4	24 23 7
	DEC. .	24 5 48	24 16 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 842. E. March. *d. h. m.* 30 4 17	JAN. .	22 18 32	23 8 0
	FEB. .	21 7 16	21 20 15
	MAR. .	22 20 1	23 5 51
	APRIL	21 8 45	21 18 31
	MAY .	20 21 29	20 20 15
	JUNE .	19 10 13	19 3 9
	JULY .	18 22 57	18 11 19
	AUG. .	17 11 41	16 21 45
	SEPT. .	16 0 25	15 11 11
	OCT. .	15 13 9	15 3 37
	NOV. .	14 1 53	13 22 23
	DEC. .	13 14 37	13 17 59
841. D.C. 29 10 6	JAN. .	12 3 21	12 12 44
	FEB. .	10 16 5	11 5 13
	○	25 10 27	25 5 20
	MAR. .	11 4 50	11 18 41
	APRIL	9 17 34	10 7 9
	MAY .	9 6 18	9 18 22
	JUNE .	7 19 2	7 20 19
	JULY .	7 7 46	7 3 10
	AUG. .	5 20 30	5 10 58
	○	20 14 52	20 18 37
	SEPT. .	4 9 14	3 20 38
	OCT. .	3 21 58	3 3 58
	NOV. .	2 10 42	1 23 56
	DEC. .	1 23 26	1 17 25
		31 12 10	31 12 16
840. B. 29 15 54	JAN. .	30 0 54	30 7 1
	○	13 19 16	13 19 32
	FEB. .	28 13 38	
			1 0 14
	MAR. .	30 2 22	30 14 54
	APRIL	28 15 6	29 2 45
	MAY .	28 3 50	28 12 12
	JUNE .	26 16 34	26 20 10
	JULY .	26 5 18	26 3 41
	○	9 23 40	9 19 39
	AUG. .	24 18 2	24 11 48
	SEPT. .	23 6 46	22 21 17
	OCT. .	22 19 30	22 8 40
	NOV. .	21 8 14	20 22 12
	DEC. .	20 20 58	20 13 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 839. A. March. *d. h. m.* 29 21 43	JAN. .	19 9 42	19 6 48
	○	3 4 4	3 11 53
	FEB. .	17 22 26	18 0 24
	MAR. .	19 11 11	19 17 30
	APRIL	17 23 55	18 9 2
	MAY .	17 12 39	17 22 27
	JUNE .	16 1 23	16 9 44
	JULY .	15 14 7	15 19 23
	○	30 8 29	29 20 49
	AUG. .	14 2 51	14 4 19
	SEPT. .	12 15 35	12 13 21
	OCT. .	12 4 19	11 23 10
	NOV. .	10 17 3	10 10 4
	DEC. .	10 5 47	9 22 15
838. G. 30 3 32	JAN. .	8 18 31	8 11 41
	FEB. .	7 7 15	7 2 18
	MAR. .	8 20 0	8 17 52
	APRIL	7 8 44	7 9 50
	MAY .	6 21 28	7 1 33
	JUNE .	5 10 12	5 16 18
	○	20 4 34	19 19 13
	JULY .	4 22 56	5 5 38
	AUG. .	3 11 40	3 17 34
	SEPT. .	2 0 24	2 4 32
	OCT. .	1 13 8	1 15 6
		31 1 52	31 1 40
	NOV. .	29 14 36	29 12 28
	○	14 8 58	14 15 26
	DEC. .	29 3 20	28 23 34
837. F.E. 29 9 21	JAN. .	27 16 4	27 11 3
	FEB. .	26 4 48	25 23 8
	MAR. .	26 17 32	26 12 11
	APRIL	25 6 16	25 2 18
	MAY .	24 19 0	24 17 22
	○	8 13 22	8 11 48
	JUNE .	23 7 44	23 8 47
	JULY .	22 20 28	22 23 58
	AUG. .	21 9 12	21 14 24
	SEPT. .	19 21 56	20 3 51
	OCT. .	19 10 40	19 16 23
	NOV. .	17 23 24	18 4 7
	○	2 17 46	2 14 35
	DEC. .	17 12 8	17 15 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 836.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 29 15 10	JAN.	16 0 52	16 1 32
	FEB.	14 13 36	14 11 27
	MAR.	16 2 21	15 21 21
	APRIL	14 15 5	14 7 55
	MAY	14 8 49	13 19 51
	○	28 22 11	29 4 41
	JUNE	12 16 33	12 9 31
	JULY	12 5 17	12 0 50
	AUG.	10 18 1	10 17 14
	SEPT.	9 6 45	9 9 51
	OCT.	8 19 29	9 1 52
	NOV.	7 8 13	7 16 41
	○	22 2 35	21 16 52
	DEC.	6 20 57	7 5 56
835. C. 29 20 59	JAN.	5 9 41	5 17 30
	FEB.	3 22 25	4 8 31
	MAR.	5 11 10	5 12 22
	APRIL	3 23 54	3 20 37
	MAY	3 12 38	3 5 11
	JUNE	2 1 22	1 15 1
	JULY	1 14 6	1 3 0
		31 2 50	30 17 29
	AUG.	29 15 34	29 10 11
	SEPT.	28 4 18	28 4 15
	OCT.	27 17 2	27 22 25
	NOV.	26 5 46	26 15 24
	DEC.	25 18 30	26 6 20
834. B. 30 2 47	JAN.	24 7 14	24 18 49
	FEB.	22 19 58	23 4 57
	MAR.	24 8 42	24 13 16
	○	8 3 4	8 7 25
	APRIL	22 21 26	22 20 32
	MAY	22 10 10	22 3 45
	JUNE	20 22 54	20 12 2
	JULY	20 11 38	19 22 26
	AUG.	19 0 22	18 11 39
	SEPT.	17 13 6	17 3 49
	○	2 7 28	2 6 52
	OCT.	17 1 50	16 22 16
	NOV.	15 14 34	15 17 38
	DEC.	15 3 18	15 12 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 833. A.G. March. *d. h. m.* 29 8 36		*d. h. m.*	*d. h. m.*
	JAN.	13 16 2	14 4 51
	FEB.	12 4 46	12 18 30
	MAR.	12 17 31	13 5 16
	○	27 11 53	27 8 19
	APRIL	11 6 15	11 13 41
	MAY	10 18 59	10 20 41
	JUNE	9 7 48	9 3 20
	JULY	8 20 27	8 10 45
	AUG.	7 9 11	6 20 1
	SEPT.	5 21 55	5 7 58
	○	20 16 17	20 21 19
	OCT.	5 10 39	4 23 1
	NOV.	3 23 23	3 16 48
	DEC.	3 12 7	3 12 10
832. F. 29 14 25	JAN.	2 0 51	2 7 30
		31 13 35	...
	FEB.	...	1 1 11
	MAR.	2 2 19	2 16 6
	○	16 20 41	16 14 48
		31 15 3	
	APRIL	30 3 47	1 3 58
			30 13 9
	MAY	29 16 31	29 20 36
	JUNE	28 5 15	28 3 27
	JULY	27 17 59	27 10 45
	AUG.	26 6 43	25 19 31
	○	10 1 5	10 5 59
	SEPT.	24 19 27	24 6 31
	OCT.	24 8 11	23 20 13
	NOV.	22 20 55	22 12 31
	DEC.	22 9 39	22 6 43
831. E. 29 20 14	JAN.	20 22 23	21 1 34
	○	4 16 45	4 19 3
	FEB.	19 11 7	19 19 33
	MAR.	20 23 52	21 11 29
	APRIL	19 12 36	20 0 42
	MAY	19 1 20	19 11 18
	JUNE	17 14 4	17 19 58
	JULY	17 2 48	17 3 44
	AUG.	15 15 32	15 11 38
	SEPT.	14 4 16	13 20 31
	OCT.	13 17 0	13 7 1
	NOV.	12 5 44	11 19 28
	DEC.	11 18 28	11 9 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 830. D. March. d. h. m. 30 2 8	JAN. .	10 7 12	10 2 7
	○	25 1 34	25 11 7
	FEB. .	8 19 56	8 19 20
	MAR. .	10 8 41	10 12 36
	APRIL	8 21 25	9 4 53
	MAY .	8 10 9	8 19 23
	JUNE .	6 22 53	7 7 48
	JULY .	6 11 37	6 18 21
	○	21 5 59	20 17 26
	AUG. .	5 0 21	5 3 46
	SEPT. .	3 18 5	3 12 53
	OCT. .	3 1 49	2 22 27
	NOV. .	1 14 33	1 8 54
			30 20 25
	DEC. .	1 3 17	
		30 16 1	30 9 4
	○	14 10 23	14 23 28
829. C.B. 29 7 52	JAN. .	29 4 45	28 22 51
	FEB. .	27 17 29	27 13 40
	MAR. .	28 6 13	28 5 15
	APRIL	26 18 57	26 21 3
	MAY .	26 7 41	26 12 20
	JUNE .	24 20 25	25 2 31
	○	9 14 47	9 3 15
	JULY .	24 9 9	24 15 22
	AUG. .	22 21 53	23 3 2
	SEPT. .	21 10 37	21 14 0
	OCT. .	20 23 21	21 0 43
	NOV. .	19 12 5	19 11 30
	DEC. .	19 0 49	18 22 25
828. A. 29 13 40	JAN. .	17 13 33	17 9 30
	FEB. .	16 2 17	15 20 59
	MAR. .	17 15 2	17 9 13
	APRIL	16 3 46	15 22 32
	MAY .	15 16 30	15 12 59
	JUNE .	14 5 14	14 4 27
	JULY .	13 17 58	13 19 49
	AUG. .	12 6 42	12 10 54
	SEPT. .	10 19 26	11 1 11
	OCT. .	10 8 10	10 14 27
	NOV. .	8 20 54	9 2 46
	DEC. .	8 9 38	8 14 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 827. G. March. d. h. m. 29 19 29	JAN. .	6 22 22	7 0 50
	FEB. .	5 11 6	5 10 44
	MAR. .	6 23 51	6 20 19
	APRIL	5 12 35	5 6 11
	MAY .	5 1 19	4 17 8
	○	19 19 41	20 4 22
	JUNE .	3 14 3	3 5 46
	JULY .	3 2 47	2 20 19
	AUG. .	1 15 31	1 12 22
		31 4 15	31 5 13
	SEPT. .	29 16 59	29 21 55
	OCT. .	29 5 43	29 13 39
	○	13 0 5	12 13 22
	NOV. .	27 18 27	28 3 52
	DEC. .	27 7 11	27 16 18
826. F. 30 1 18	JAN. .	25 19 55	26 2 59
	FEB. .	24 8 39	24 12 10
	MAR. .	25 21 23	25 20 25
	APRIL	24 10 7	24 4 29
	○	9 4 29	9 15 5
	MAY .	23 22 51	23 13 25
	JUNE .	22 11 35	22 0 9
	JULY .	22 0 19	21 13 22
	AUG. .	20 13 3	20 5 9
	SEPT. .	19 1 47	18 22 50
	OCT. .	18 14 31	18 17 20
	○	2 8 53	2 0 51
	NOV. .	17 3 15	17 11 13
	DEC. .	16 15 59	17 3 23
825. E.D. 29 7 7	JAN. .	15 4 43	15 17 5
	FEB. .	13 17 27	14 4 16
	MAR. .	14 6 12	14 13 17
	APRIL	12 18 56	12 20 47
	○	27 13 18	27 18 35
	MAY .	12 7 40	12 3 47
	JUNE .	10 20 21	10 11 21
	JULY .	10 9 8	9 20 33
	AUG. .	8 21 52	8 8 20
	SEPT. .	7 10 36	6 23 9
	OCT. .	6 23 20	6 16 42
	○	21 17 42	21 16 23
	NOV. .	5 12 4	5 11 55
	DEC. .	5 0 48	5 7 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 824. C. March. *d. h. m.* 29 12 56	JAN.	8 18 32	4 0 57
	FEB.	2 2 16	2 16 4
	MAR.	3 15 1	4 4 10
	APRIL	2 8 45	2 18 32
	MAY	1 16 29	1 21 2
		31 5 13	31 8 42
	JUNE	29 17 57	29 10 37
	JULY	29 6 41	28 18 55
	AUG.	27 19 25	27 5 31
	SEPT.	26 8 9	25 19 5
	OCT.	25 20 58	25 11 38
	NOV.	24 9 37	24 6 22
	DEC.	23 22 21	24 2 3
823. B. 29 18 45	JAN.	22 11 5	22 20 30
	FEB.	20 23 49	21 12 49
	○	7 18 11	7 18 8
	MAR.	22 12 33	23 2 7
	APRIL	21 1 17	21 12 31
	MAY	20 14 1	20 20 43
	JUNE	19 2 45	19 3 47
	JULY	18 15 29	18 10 50
	AUG.	17 4 13	16 18 54
	○	31 22 35	
	SEPT.	15 16 57	1 2 0
			15 4 49
	OCT.	15 5 41	14 17 12
	NOV.	13 18 25	13 8 15
	DEC.	13 7 9	13 1 31
822. A. 30 0 33	JAN.	11 19 53	11 20 2
	FEB.	10 8 37	10 14 26
	○	25 2 59	25 8 45
	MAR.	11 21 22	12 7 23
	APRIL	10 10 6	10 21 57
	MAY	9 22 50	10 9 49
	JUNE	8 11 34	8 19 26
	JULY	8 0 18	8 3 40
	AUG.	6 13 2	6 11 33
	○	21 7 24	21 2 41
	SEPT.	5 1 46	4 20 3
	OCT.	4 14 30	4 5 49
	NOV.	3 8 14	2 17 21
	DEC.	2 15 58	2 6 46
		...	31 21 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 821. G.F. March. *d. h. m.* 29 6 22	JAN.	1 4 42	...
		30 17 26	30 14 30
	○	14 11 48	14 20 14
	FEB.	29 6 10	29 7 35
	MAR.	29 18 54	30 0 19
	APRIL	28 7 38	28 15 43
	MAY	27 20 22	28 5 13
	JUNE	26 9 6	26 16 48
	JULY	25 21 50	26 2 54
	○	9 16 12	9 3 57
	AUG.	24 10 34	24 12 19
	SEPT.	22 23 18	22 21 48
	OCT.	22 12 2	22 7 57
	NOV.	21 0 46	20 18 57
	DEC.	20 13 30	20 6 56
820. E. 29 12 11	JAN.	19 2 14	18 19 55
	FEB.	17 14 58	17 9 56
	MAR.	19 3 43	19 0 56
	APRIL	17 16 27	17 16 29
	MAY	17 5 11	17 8 1
	JUNE	15 17 55	15 22 58
	○	30 12 17	30 2 40
	JULY	15 6 39	15 12 37
	AUG.	13 19 23	14 1 6
	SEPT.	12 8 7	12 12 40
	OCT.	11 20 51	11 23 42
	NOV.	10 9 35	10 10 34
	DEC.	9 22 19	9 21 26
	○	24 16 41	24 23 23
819. D. 29 18 0	JAN.	8 11 3	8 8 16
	FEB.	6 23 47	6 19 16
	MAR.	8 12 32	8 6 48
	APRIL	7 1 16	6 19 14
	MAY	6 14 0	6 8 56
	JUNE	5 2 44	4 23 48
	○	19 21 6	19 19 17
	JULY	4 15 28	4 15 21
	AUG.	3 4 12	3 6 56
	SEPT.	1 16 56	1 21 57
	OCT.	1 5 40	1 12 2
		30 18 24	31 1 4
	NOV.	29 7 8	29 13 3
	○	14 1 30	13 22 33
	DEC.	28 19 52	29 0 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 818. C. March. d. h. m. 29 23 49	JAN.	27 8 36	27 10 8
	FEB.	25 21 20	25 19 35
	MAR.	27 10 4	27 4 56
	APRIL	25 22 48	25 15 1
	MAY	25 11 32	25 2 35
	○ JUNE	9 5 54 / 24 0 16	9 12 1 / 23 16 6
	JULY	23 18 0	23 7 32
	AUG.	22 1 44	22 0 17
	SEPT.	20 14 28	20 17 26
	OCT.	20 8 12	20 10 2
	NOV.	18 15 56	19 1 14
	○ DEC.	3 10 18 / 18 4 40	3 1 15 / 18 14 39
817. B.A. 29 5 38	JAN.	16 17 24	17 2 9
	FEB.	15 6 8	15 11 58
	MAR.	15 18 53	15 20 19
	APRIL	14 7 37	14 4 10
	MAY	13 20 21	13 12 24
	JUNE	12 9 5	11 22 0
	JULY	11 21 49	11 9 54
	AUG.	10 10 33	10 0 29
	SEPT.	8 23 17	8 17 29
	OCT.	8 12 1	8 11 56
	NOV.	7 0 45	7 6 29
	DEC.	6 13 29	6 23 45
816. G. 29 11 26	JAN.	5 2 13	5 14 46
	FEB.	3 14 57	4 3 8
	MAR.	5 3 42	5 13 0
	APRIL	3 16 26 / 18 10 48	3 21 1 / 18 14 4
	○ MAY	3 5 10	3 4 3
	JUNE	1 17 54	1 11 6 / 30 19 19
	JULY	1 6 38 / 30 19 22	30 5 45
	AUG.	29 8 6	28 19 6
	SEPT.	27 20 50	27 11 28
	○ OCT.	12 15 12 / 27 9 34	12 15 34 / 27 6 7
	NOV.	25 22 18	26 1 39
	DEC.	25 11 2	25 20 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 815. F. March. d. h. m. 29 17 15	JAN.	23 23 46	24 12 53
	FEB.	22 12 30	23 2 24
	MAR.	24 1 14	24 12 57
	○ APRIL	7 19 36 / 22 13 58	7 15 13 / 22 21 13
	MAY	22 2 42	22 4 7
	JUNE	20 15 26	20 10 47
	JULY	20 4 10	19 18 20
	AUG.	18 16 54	18 3 46
	SEPT.	17 5 38	16 15 52
	○ OCT.	2 0 0 / 16 18 22	2 5 39 / 16 7 1
	NOV.	15 7 6	15 0 48
	DEC.	14 19 50	14 20 5
814. E. 29 23 4	JAN.	13 8 34	13 15 16
	FEB.	11 21 18	12 8 46
	MAR.	13 10 3 / 28 4 25	13 23 33 / 27 22 16
	○ APRIL	11 22 47	12 11 17
	MAY	11 11 31	11 20 28
	JUNE	10 0 15	10 4 2
	JULY	9 12 59	9 11 4
	AUG.	8 1 43	7 18 37
	SEPT.	6 14 27 / 21 8 49	6 3 39 / 21 13 45
	○ OCT.	6 3 11	5 14 52
	NOV.	4 15 55	4 4 36
	DEC.	4 4 39	3 20 46
813. D.C. 29 4 53	JAN.	2 17 23	2 14 33
	FEB.	1 6 7	1 9 5
	MAR.	1 18 52 / 31 7 36	2 2 46 / 31 18 29
	APRIL	29 20 20	30 7 41
	MAY	29 9 4	29 18 24
	JUNE	27 21 48	28 3 21
	JULY	27 10 32	27 11 28
	AUG.	25 23 16	25 19 45
	SEPT.	24 12 0	24 4 59
	OCT.	24 0 44	23 15 42
	NOV.	22 13 28	22 4 9
	DEC.	22 2 12	21 18 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 812. B. March. d. h. m. 29 10 42	JAN.	20 14 56	20 10 3
	○	4 9 18	4 19 32
	FEB.	19 3 40	19 2 43
	MAR.	20 16 24	20 19 31
	APRIL	19 5 8	19 11 32
	MAY	18 17 52	19 2 3
	JUNE	17 6 36	17 14 42
	JULY	16 19 20	17 1 40
	○	31 13 42	31 0 35
	AUG.	15 8 4	15 11 35
	SEPT.	13 20 48	13 21 11
	OCT.	13 9 32	13 7 9
	NOV.	11 22 16	11 17 47
	DEC.	11 11 0	11 5 14
811. A. 29 16 30	JAN.	9 23 44	9 17 32
	○	24 18 6	25 7 37
	FEB.	8 12 28	8 6 45
	MAR.	10 1 13	9 20 59
	APRIL	8 13 57	8 12 2
	MAY	8 2 41	8 3 32
	JUNE	6 15 25	6 18 50
	JULY	6 4 9	6 9 19
	○	20 22 31	20 10 45
	AUG.	4 16 53	4 22 40
	SEPT.	3 5 37	3 10 56
	OCT.	2 18 21	2 22 28
	NOV.	1 7 5	1 9 34
		30 19 49	30 20 30
	DEC.	30 8 33	30 7 15
810. G. 29 22 19	JAN.	28 21 17	28 17 57
	FEB.	27 10 1	27 4 51
	MAR.	28 22 46	28 16 30
	APRIL	27 11 30	27 5 19
	MAY	27 0 14	26 19 29
	JUNE	25 12 58	25 10 47
	○	10 7 20	10 2 33
	JULY	25 1 42	25 2 36
	AUG.	23 14 26	23 18 15
	SEPT.	22 3 10	22 9 7
	OCT.	21 15 54	21 22 56
	NOV.	20 4 38	20 11 36
	DEC.	19 17 22	19 23 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 809. F.E. March. d. h. m. 29 4 8	JAN.	18 6 6	18 9 32
	FEB.	16 18 50	16 19 2
	MAR.	17 7 31	17 4 7
	APRIL	15 20 18	15 13 30
	MAY	15 9 2	15 0 2
	○	30 3 24	30 11 36
	JUNE	13 21 46	13 12 26
	JULY	13 10 30	13 2 58
	AUG.	11 23 14	11 19 18
	SEPT.	10 11 58	10 12 36
	OCT.	10 0 42	10 5 51
	NOV.	8 13 26	8 22 3
	○	23 7 48	22 21 53
	DEC.	8 2 10	8 12 32
808. D. 29 9 57	JAN.	6 14 54	7 0 58
	FEB.	5 3 38	5 11 25
	MAR.	6 16 23	6 20 16
	APRIL	5 5 7	5 4 7
	MAY	4 17 51	4 11 51
	○	19 12 13	19 21 55
	JUNE	3 6 35	2 20 31
	JULY	2 19 19	2 7 8
	AUG.	1 8 3	31 20 23
		30 20 47	30 12 22
	SEPT.	29 9 31	29 6 24
	OCT.	28 22 15	29 1 16
	○	12 16 37	12 9 43
	NOV.	27 10 59	27 19 29
	DEC.	26 23 43	27 11 46
807. C. 29 15 46	JAN.	25 12 27	26 1 26
	FEB.	24 1 11	24 12 23
	MAR.	25 13 56	25 21 7
	APRIL	24 2 40	24 4 23
	○	8 21 2	9 1 5
	MAY	23 15 24	23 11 13
	JUNE	22 4 8	21 18 41
	JULY	21 16 52	21 3 54
	AUG.	20 5 36	19 15 48
	SEPT.	18 18 20	18 6 47
	OCT.	18 7 4	18 0 30
	○	2 1 26	2 1 17
	NOV.	16 19 48	16 19 52
	DEC.	16 8 32	16 15 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 806. E. March. d. h. m. 29 21 35	JAN.	14 21 16	15 8 58
	FEB.	13 10 0	13 23 58
	MAR.	14 22 44	15 11 52
	APRIL	13 11 28	13 21 6
	MAY	13 0 12	13 4 30
	JUNE	11 12 56	11 11 9
	JULY	11 1 40	10 18 11
	AUG.	9 14 24	9 2 37
	SEPT.	8 8 8	7 13 25
	OCT.	7 15 52	7 8 7
	NOV.	6 4 36	5 19 42
	DEC.	5 17 20	5 14 22
805. A.G. 29 8 23	JAN.	4 6 4	4 9 42
	FEB.	2 18 48	3 4 7
	MAR.	3 7 33	3 20 15
	○	18 1 55	17 20 49
	APRIL	1 20 17	2 5 26
	MAY	1 9 1	1 19 47
		30 21 45	31 4 4
	JUNE	29 10 29	29 11 18
	JULY	28 23 13	28 18 36
	AUG.	27 11 57	27 2 58
	○	11 6 19	11 9 31
	SEPT.	26 0 41	25 13 8
	OCT.	25 18 25	25 1 40
	NOV.	24 2 9	23 16 37
	DEC.	23 14 53	23 9 35
804. F. 29 9 12	JAN.	22 3 37	22 3 43
	FEB.	20 16 21	20 21 44
	○	7 10 43	7 11 49
	MAR.	22 5 5	22 14 24
	APRIL	20 17 49	21 4 50
	MAY	20 6 33	20 16 48
	JUNE	18 19 17	19 2 39
	JULY	18 8 1	18 11 14
	AUG.	16 20 45	16 19 32
	○	31 15 7	31 9 52
	SEPT.	15 9 29	15 4 25
	OCT.	14 22 13	14 14 29
	NOV.	13 10 57	13 2 5
	DEC.	12 23 41	12 15 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 803. E. March. d. h. m. 29 15 1	JAN.	11 12 25	11 6 6
	FEB.	10 1 9	9 22 4
	○	24 19 31	25 4 15
	MAR.	11 13 54	11 14 39
	APRIL	10 2 38	10 7 1
	MAY	9 15 22	9 22 19
	JUNE	8 4 6	8 11 59
	JULY	7 16 50	7 23 56
	AUG.	6 5 34	6 10 32
	○	20 23 56	20 11 15
	SEPT.	4 18 18	4 20 28
	OCT.	4 7 2	4 6 25
	NOV.	2 19 46	2 16 51
	DEC.	2 8 30	2 3 53
		31 21 14	31 15 36
802. D. 29 20 50	JAN.	30 9 58	30 4 6
	FEB.	28 22 43	28 17 30
	MAR.	30 11 27	30 7 53
	APRIL	29 0 11	28 23 2
	MAY	28 12 55	28 14 27
	JUNE	27 1 39	27 5 30
	JULY	26 14 23	26 19 41
	AUG.	25 3 7	25 8 46
	SEPT.	23 15 51	23 20 55
	OCT.	23 4 35	23 8 26
	NOV.	21 17 19	21 19 33
	DEC.	21 6 3	21 6 22
801. C.B. 29 2 39	○	5 0 25	5 7 16
	JAN.	19 18 47	19 16 54
	FEB.	18 7 31	18 3 23
	MAR.	18 20 15	18 14 19
	APRIL	17 8 59	17 2 13
	MAY	16 21 43	16 15 31
	JUNE	15 10 27	15 6 15
	○	30 4 49	30 2 50
	JULY	14 23 11	14 21 59
	AUG.	13 11 55	13 14 1
	SEPT.	12 0 39	12 5 37
	OCT.	11 13 23	11 20 17
	NOV.	10 2 7	10 9 45
	DEC.	9 14 51	9 21 56
	○	24 9 13	24 6 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 800.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 29 8 28	JAN. .	8 8 35	8 8 49
	FEB. .	6 16 19	6 18 35
	MAR. .	8 5 4	8 3 35
	APRIL	6 17 48	6 12 28
	MAY .	6 6 32	5 22 6
	JUNE .	4 19 16	4 9 22
	○	19 13 38	19 19 22
	JULY .	4 8 0	3 22 47
	AUG. .	2 20 44	2 14 23
	SEPT. .	1 9 28	1 7 30
		30 22 12	1 1 6
	OCT. .	30 10 56	30 18 14
	NOV. .	28 23 40	29 9 48
	○	18 18 2	18 9 40
	DEC. .	28 12 24	28 23 21
799. G. 29 14 16	JAN. .	27 1 8	27 10 40
	FEB. .	25 13 52	25 20 6
	MAR. .	27 2 37	27 4 11
	APRIL	25 15 21	25 11 40
	MAY .	25 4 5	24 19 37
	JUNE .	23 16 49	23 5 4
	JULY .	23 5 33	22 16 57
	AUG. .	21 18 17	21 7 40
	SEPT. .	20 7 1	20 0 56
	OCT. .	19 19 45	19 19 43
	NOV. .	18 8 29	18 14 36
	DEC. .	17 21 13	18 8 4
798. F. 29 20 5	JAN. .	16 9 57	16 23 6
	FEB. .	14 22 41	15 11 18
	MAR. .	16 11 25	16 20 55
	APRIL	15 0 9	15 4 40
	○	29 18 31	29 20 35
	MAY .	14 12 53	14 11 30
	JUNE .	13 1 37	12 18 28
	JULY .	12 14 21	12 2 42
	AUG. .	11 3 5	10 13 13
	SEPT. .	9 15 49	9 2 43
	OCT. .	9 4 33	8 19 14
	○	28 22 55	24 0 20
	NOV. .	7 17 17	7 14 1
	DEC. .	7 6 1	7 9 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 797.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 29 1 54	JAN. .	5 18 45	6 4 20
	FEB. .	4 7 29	4 20 45
	MAR. .	4 20 14	5 10 9
	APRIL	3 8 58	3 20 33
	○	18 3 20	17 22 2
	MAY .	2 21 42	3 4 41
	JUNE .	1 10 26	1 11 34
		30 23 10	30 18 20
	JULY .	30 11 54	30 2 2
	AUG. .	29 0 38	28 11 39
	SEPT. .	27 13 22	26 23 57
	○	12 7 44	12 14 5
	OCT. .	27 2 6	26 15 10
	NOV. .	25 14 50	25 8 53
	DEC. .	25 3 34	25 3 59
796. C. 29 7 43	JAN. .	23 16 18	23 22 57
	FEB. .	22 5 2	22 16 13
	MAR. .	23 17 47	24 6 50
	○	7 12 9	7 5 39
	APRIL	22 6 31	22 18 32
	MAY .	21 19 15	22 3 45
	JUNE .	20 7 59	20 11 23
	JULY .	19 20 43	19 18 44
	AUG. .	18 9 27	18 2 38
	SEPT. .	16 22 11	16 11 58
	○	1 16 33	1 21 37
	OCT. .	16 10 55	15 23 21
	NOV. .	14 23 39	14 13 5
	DEC. .	14 12 23	14 5 0
795. B. 29 13 32	JAN. .	13 1 7	12 22 30
	FEB. .	11 13 51	11 16 30
	MAR. .	13 2 35	13 9 47
	APRIL	11 15 19	12 1 20
	MAY .	11 4 3	11 14 33
	JUNE .	9 16 47	10 1 29
	JULY .	9 5 31	9 10 45
	AUG. .	7 18 15	7 19 17
	SEPT. .	6 6 59	6 4 0
	OCT. .	5 19 43	5 13 36
	NOV. .	4 8 27	4 0 30
	DEC. .	3 21 11	3 12 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 794. A.	JAN.	2 9 55	2 2 42
		31 22 39	31 17 52
March. *d. h. m.*	FEB.	...	...
	○	15 17 1	16 3 46
29 19 20	MAR.	2 11 24	2 9 58
	APRIL	1 0 8	1 2 18
		30 12 52	30 18 7
	MAY	30 1 36	30 8 41
	JUNE	28 14 20	28 21 38
	JULY	28 3 4	28 9 5
	○	11 21 26	11 7 54
	AUG.	26 15 48	26 19 32
	SEPT.	25 4 32	25 5 40
	OCT.	24 17 16	24 15 59
	NOV.	23 6 0	23 2 45
	DEC.	22 18 44	22 14 4
793. G.F.	JAN.	21 7 28	21 1 55
	○	5 1 50	5 15 41
	FEB.	19 20 12	19 14 34
29 1 9	MAR.	20 8 57	20 4 10
	APRIL	18 21 41	18 18 44
	MAY	18 10 25	18 9 58
	JUNE	16 23 9	17 1 19
	JULY	16 11 53	16 16 10
	○	31 6 15	30 18 21
	AUG.	15 0 37	15 6 5
	SEPT.	13 13 21	13 18 58
	OCT.	13 2 5	13 7 1
	NOV.	11 14 49	11 18 29
	DEC.	11 3 33	11 5 29
792. E.	JAN.	9 16 17	9 16 1
	FEB.	8 5 1	8 2 16
29 6 58	MAR.	9 17 45	9 12 38
	APRIL	8 6 29	7 23 42
	MAY	7 19 13	7 12 3
	JUNE	6 7 57	6 1 59
	JULY	5 20 41	5 17 20
	○	20 15 3	20 10 13
	AUG.	4 9 25	4 9 28
	SEPT.	2 22 9	3 1 39
	OCT.	2 10 53	2 17 8
		31 23 37	1 7 28
	NOV.	30 12 21	30 20 26
	DEC.	30 1 5	30 7 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 791. D.	JAN.	28 13 49	28 18 6
March. *d. h. m.*	FEB.	27 2 33	27 3 12
29 12 47	MAR.	28 15 18	28 11 50
	APRIL	27 4 2	26 20 46
	MAY	26 16 46	26 6 57
	○	10 11 8	10 18 50
	JUNE	25 5 30	24 19 11
	JULY	24 18 14	24 9 45
	AUG.	23 6 58	23 2 21
	SEPT.	21 19 42	21 20 7
	OCT.	21 8 26	21 13 50
	NOV.	19 21 10	20 6 28
	○	4 15 32	4 6 28
	DEC.	19 9 54	19 21 9
790. C.	JAN.	17 22 38	18 9 33
	FEB.	16 11 22	16 19 44
29 18 36	MAR.	18 0 7	18 4 14
	APRIL	16 12 51	16 11 44
	MAY	16 1 35	15 19 11
	○	30 19 57	31 4 42
	JUNE	14 14 19	14 3 40
	JULY	14 3 3	13 14 13
	AUG.	12 15 47	12 8 33
	SEPT.	11 4 31	10 19 44
	OCT.	10 17 15	10 14 4
	NOV.	9 5 59	9 9 15
	○	24 0 21	23 18 37
	DEC.	8 18 43	9 3 40
789. B.A.	JAN.	7 7 27	7 20 3
	FEB.	5 20 11	6 9 38
29 0 25	MAR.	6 8 55	6 20 21
	APRIL	4 21 39	5 4 50
	MAY	4 10 23	4 11 54
	○	19 4 45	19 7 32
	JUNE	2 23 7	2 18 37
	JULY	2 11 51	2 2 4
			31 11 22
	AUG.	1 0 35	
		30 13 19	29 23 24
	SEPT.	29 2 3	28 14 31
	OCT.	28 14 47	28 8 23
	○	12 9 9	12 10 12
	NOV.	27 3 31	27 3 49
	DEC.	26 16 15	26 23 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 788. G. March. d. h. m. 29 6 18		d. h. m.	d. h. m.
	JAN.	25 4 59	25 16 49
	FEB.	23 17 43	24 7 41
	MAR.	25 6 28	25 19 27
	APRIL	23 19 12	24 4 33
	MAY	23 7 56	23 11 56
	JUNE	21 20 40	21 18 39
	JULY	21 9 24	21 1 49
	AUG.	19 22 8	19 10 30
	SEPT.	18 10 52	17 21 30
	OCT.	17 23 36	17 11 19
	NOV.	16 12 20	16 3 52
	DEC.	16 1 4	15 22 21
787. F. 29 12 2	JAN.	14 13 48	14 17 26
	FEB.	13 2 32	13 11 35
	MAR.	14 15 16	15 3 29
	○	29 9 38	29 4 24
	APRIL	13 4 0	13 16 35
	MAY	12 16 44	13 2 58
	JUNE	11 5 28	11 11 24
	JULY	10 18 12	10 18 52
	AUG.	9 6 56	9 2 30
	SEPT.	7 19 40	7 11 11
	○	22 14 2	22 17 8
	OCT.	7 8 24	6 21 38
	NOV.	5 21 8	5 10 12
	DEC.	5 9 52	5 0 59
786. E. 29 17 51	JAN.	3 22 36	3 17 37
	FEB.	2 11 20	2 11 16
	MAR.	4 0 5	4 4 52
	○	18 18 27	18 19 45
	APRIL	2 12 49	2 21 15
	MAY	2 1 33	2 11 38
		31 14 17	31 23 45
	JUNE	30 3 1	30 9 54
	JULY	29 15 45	29 18 54
	AUG.	28 4 29	28 3 39
	○	11 22 51	11 17 11
	SEPT.	26 17 13	26 12 56
	OCT.	26 5 57	25 23 16
	NOV.	24 18 41	24 10 54
	DEC.	24 7 25	23 23 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 785. D.C. March. d. h. m. 28 23 40		d. h. m.	d. h. m.
	JAN.	22 20 9	22 14 10
	FEB.	21 8 53	21 5 33
	○	7 8 15	7 12 23
	MAR.	21 21 38	21 21 35
	APRIL	20 10 22	20 13 37
	MAY	19 23 6	20 4 51
	JUNE	18 11 50	18 18 45
	JULY	18 0 34	18 7 8
	AUG.	16 13 18	16 18 16
	○	31 7 40	30 18 44
	SEPT.	15 2 2	15 4 45
	OCT.	14 14 46	14 15 9
	NOV.	13 3 30	13 1 48
	DEC.	12 16 14	12 12 47
784. B. 29 5 29	JAN.	11 4 58	11 0 11
	FEB.	9 17 42	9 12 9
	MAR.	11 6 26	11 0 55
	APRIL	9 19 10	9 14 45
	MAY	9 7 54	9 5 32
	JUNE	7 20 38	7 20 55
	JULY	7 9 22	7 12 12
	AUG.	5 22 6	6 2 50
	SEPT.	4 10 50	4 16 31
	OCT.	3 23 34	4 5 16
	NOV.	2 12 18	2 17 12
	DEC.	2 1 2	2 4 30
		31 13 46	31 15 12
783. A. 29 11 17	○	15 8 8	15 15 1
	JAN.	30 2 30	30 1 23
	FEB.	28 15 15	28 11 24
	MAR.	30 3 59	29 21 44
	APRIL	28 16 43	28 9 8
	MAY	28 5 27	27 22 7
	JUNE	26 18 11	26 12 47
	○	11 12 33	11 10 26
	JULY	26 6 55	26 4 44
	AUG.	24 19 39	24 21 13
	SEPT.	23 8 23	23 13 25
	OCT.	22 21 7	23 4 39
	NOV.	21 9 51	21 18 30
	DEC.	20 22 35	21 6 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 782. G. March. d. h. m. 29 17 6	○	4 16 57	4 14 25
	JAN.	19 11 19	19 17 30
	FEB.	18 0 8	18 2 55
	MAR.	19 12 48	19 11 28
	APRIL	18 1 32	17 19 55
	MAY	17 14 16	17 5 11
	JUNE	16 3 0	15 16 12
	○	30 21 22	1 2 44
	JULY	15 15 44	15 5 35
	AUG.	14 4 28	13 21 21
	SEPT.	12 17 12	12 14 50
	OCT.	12 5 56	12 8 58
	NOV.	10 18 40	11 2 29
	DEC.	10 7 24	10 18 21
	○	25 1 46	24 18 4
781. F.E. 28 22 55	JAN.	8 20 8	9 7 54
	FEB.	7 8 52	7 19 5
	MAR.	7 21 36	8 4 11
	APRIL	6 10 20	6 11 55
	MAY	5 23 4	5 19 6
	JUNE	4 11 48	4 2 50
	JULY	4 0 32	3 12 12
	AUG.	2 13 16	2 0 7
	SEPT.	1 2 0	31 14 59
		30 14 44	30 8 30
	OCT.	30 3 28	30 3 35
	NOV.	28 16 12	28 22 42
	DEC.	28 4 56	28 16 16
780. D. 29 4 44	JAN.	26 17 40	27 7 15
	FEB.	25 6 24	25 19 18
	MAR.	26 19 9	27 4 43
	APRIL	25 7 53	25 12 15
	○	10 2 15	10 3 3
	MAY	24 20 37	24 18 56
	JUNE	23 9 21	23 1 53
	JULY	22 22 5	22 10 11
	AUG.	21 10 49	20 20 50
	SEPT.	19 23 33	19 10 30
	OCT.	19 12 17	19 3 8
	○	3 6 39	3 9 12
	NOV.	18 1 1	17 22 0
	DEC.	17 13 45	17 17 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 779. C. March. d. h. m. 29 10 33	JAN.	16 2 29	16 12 12
	FEB.	14 15 13	15 4 28
	MAR.	16 3 58	16 17 43
	APRIL	14 16 42	15 4 0
	○	29 11 4	29 4 25
	MAY	14 5 26	14 12 6
	JUNE	12 18 10	12 19 1
	JULY	12 6 54	12 1 55
	AUG.	10 19 38	10 9 52
	SEPT.	9 8 22	8 19 43
	OCT.	8 21 6	8 8 11
	○	23 15 28	23 22 36
	NOV.	7 9 50	6 23 25
	DEC.	6 22 34	6 16 59
778. B. 29 16 22	JAN.	5 11 18	5 11 50
	FEB.	4 0 2	4 6 27
	MAR.	5 12 46	5 23 29
	APRIL	4 1 30	4 13 56
	○	18 19 52	18 12 56
	MAY	3 14 14	4 1 38
	JUNE	2 2 58	2 10 59
	JULY	1 15 42	1 18 55
		31 4 26	31 2 31
	AUG.	29 17 10	29 10 45
	SEPT.	28 5 54	27 20 24
	○	13 0 16	13 5 33
	OCT.	27 18 38	27 7 57
	NOV.	26 7 22	25 21 36
	DEC.	25 20 6	25 13 13
777. A.G. 28 22 10	JAN.	24 8 50	24 6 14
	FEB.	22 21 34	22 23 45
	MAR.	23 10 19	23 16 42
	APRIL	21 23 3	22 8 6
	MAY	21 11 47	21 21 23
	JUNE	20 0 31	20 8 35
	JULY	19 13 15	19 18 16
	AUG.	18 1 59	18 3 15
	SEPT.	16 14 43	16 12 24
	OCT.	16 3 27	15 22 20
	NOV.	14 16 11	14 9 20
	DEC.	14 4 55	13 21 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 776.	JAN. .	12 17 39	12 10 59
F. March. d. h. m. 29 8 59	FEB. .	11 6 23	11 1 34
	○	26 0 45	26 11 53
	MAR. .	12 19 7	12 17 4
	APRIL	11 7 51	11 8 58
	MAY .	10 20 35	11 0 37
	JUNE .	9 9 19	9 15 18
	JULY .	8 22 8	9 4 36
	AUG. .	7 10 47	7 16 34
	○	22 5 9	21 15 21
	SEPT. .	5 23 31	6 3 36
	OCT. .	5 12 15	5 14 14
	NOV. .	4 0 59	4 0 52
	DEC. .	3 13 43	3 11 42
775. E. 29 9 48	JAN. .	2 2 27	1 22 47
		31 15 11	31 10 12
	FEB. .	...	...
	○	15 9 33	15 23 32
	MAR. .	2 3 56	1 22 15
		31 16 40	31 11 15
	APRIL	30 5 24	30 1 21
	MAY .	29 18 8	29 16 25
	JUNE .	28 6 52	28 7 52
	JULY .	27 19 36	27 23 5
	○	11 13 58	11 2 6
	AUG. .	26 8 20	26 18 34
	SEPT. .	24 21 4	25 3 5
	OCT. .	24 9 48	24 15 39
	NOV. .	22 22 32	23 3 23
	DEC. .	22 11 16	22 14 23
774. D. 29 15 37	JAN. .	21 0 0	21 0 40
	FEB. .	19 12 44	19 10 28
	MAR. .	21 1 29	20 20 17
	APRIL	19 14 13	19 6 50
	MAY .	19 2 57	18 18 48
	JUNE .	17 15 41	17 8 34
	JULY .	17 4 25	16 23 59
	○	31 22 47	31 18 2
	AUG. .	15 17 9	15 16 29
	SEPT. .	14 5 53	14 9 12
	OCT. .	13 18 37	14 1 15
	NOV. .	12 7 21	12 16 3
	DEC. .	11 20 5	12 5 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 773. C.E. March. d. h. m. 28 21 26	JAN. .	10 8 49	10 16 41
	FEB. .	8 21 33	9 2 34
	MAR. .	9 10 17	9 11 16
	APRIL	7 23 1	7 19 25
	MAY .	7 11 45	7 3 57
	JUNE .	6 0 29	5 13 53
	○	20 18 51	21 2 3
	JULY .	5 13 13	5 2 0
	AUG. .	4 1 57	3 16 39
	SEPT. .	2 14 41	2 9 32
	OCT. .	2 3 25	2 3 42
		31 16 9	31 21 54
	NOV. .	30 4 53	30 14 51
	DEC. .	14 23 15	14 15 0
		29 17 37	30 5 40
772. A. 29 3 15	JAN. .	28 6 21	28 17 57
	FEB. .	26 19 5	27 3 54
	MAR. .	28 7 50	28 12 5
	APRIL	26 20 34	26 19 17
	MAY .	26 9 18	26 2 30
	○	10 3 40	10 11 28
	JUNE .	24 22 2	24 10 52
	JULY .	24 10 46	23 21 25
	AUG. .	22 23 30	22 10 52
	SEPT. .	21 12 14	21 3 13
	OCT. .	21 0 58	20 21 50
	NOV. .	19 13 42	19 17 14
	○	4 8 4	4 3 31
	DEC. .	19 2 26	19 11 49
771. G. 29 9 3	JAN. .	17 15 10	18 4 12
	FEB. .	16 3 54	16 17 33
	MAR. .	17 16 39	18 4 11
	APRIL	16 5 23	16 12 27
	MAY .	15 18 7	15 19 22
	○	30 12 29	30 14 0
	JUNE .	14 6 51	14 2 2
	JULY .	13 19 35	13 9 31
	AUG. .	12 8 19	11 19 0
	SEPT. .	10 21 3	10 7 11
	OCT. .	10 9 47	9 22 26
	NOV. .	8 22 31	8 16 22
	○	23 16 53	23 19 10
	DEC. .	8 11 15	8 11 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 770.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 29 14 52	JAN. .	6 23 59	7 7 2
	FEB. .	5 12 43	6 0 32
	MAR. .	7 1 27	7 15 14
	APRIL	5 14 11	6 2 52
	MAY .	5 2 55	5 11 55
	JUNE .	3 15 39	3 19 19
	JULY .	3 4 23	3 2 11
	AUG. .	1 17 7	1 9 36
		31 5 51	30 18 32
	SEPT. .	29 18 35	29 5 44
	OCT. .	29 7 19	28 19 37
	NOV. .	27 20 3	27 12 3
	DEC. .	27 8 47	27 6 17
769. E.D. 28 20 41	JAN. .	25 21 31	26 1 2
	FEB. .	24 10 15	24 18 52
	MAR. .	24 23 0	25 10 36
	○ APRIL	8 17 22	8 11 54
		23 11 44	23 23 38
	MAY .	23 0 28	23 10 7
	JUNE .	21 13 12	21 18 45
	JULY .	21 1 56	21 2 33
	AUG. .	19 14 40	19 10 33
	SEPT. .	18 3 24	17 19 35
	○ OCT. .	2 21 46	3 0 52
		17 16 8	17 6 14
	NOV. .	16 4 52	15 18 50
	DEC. .	15 17 36	15 9 23
768. C. 29 2 30	JAN. .	14 6 20	14 1 33
	FEB. .	12 19 4	12 18 42
	MAR. .	14 7 49	14 11 51
	○	29 2 11	29 3 35
	APRIL	12 20 33	13 3 59
	MAY .	12 9 17	12 18 23
	JUNE .	10 22 1	11 6 41
	JULY .	10 10 45	10 17 14
	AUG. .	8 23 29	9 2 41
	SEPT. .	7 12 13	7 11 55
	○	22 6 35	22 0 38
	OCT. .	7 0 57	6 21 36
	NOV. .	5 13 41	5 8 8
	DEC. .	5 2 25	4 19 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 767.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 29 8 19	JAN. .	3 15 9	3 8 23
	FEB. .	2 3 53	1 22 7
	MAR. .	3 16 37	3 12 53
	○	18 10 59	18 21 38
	APRIL	2 5 21	2 4 24
	MAY .	1 18 5	1 20 8
		31 6 49	31 11 22
	JUNE .	29 19 33	30 1 31
	JULY .	29 8 17	29 14 22
	AUG. .	27 21 1	28 2 6
	○ SEPT. .	11 15 23	11 2 21
		26 9 45	26 13 8
	OCT. .	25 22 29	25 23 56
	NOV. .	24 11 13	24 10 44
	DEC. .	23 23 57	23 21 38
766. A. 29 14 8	JAN. .	22 12 41	22 8 40
	FEB. .	21 1 25	20 20 5
	MAR. .	22 14 10	22 8 16
	APRIL	21 2 54	20 21 33
	MAY .	20 15 33	20 12 3
	JUNE .	19 4 22	19 3 23
	JULY .	18 17 6	18 18 56
	AUG. .	17 5 50	17 10 6
	SEPT. .	15 18 34	16 0 25
	OCT. .	15 7 18	15 13 43
	NOV. .	13 20 2	14 2 2
	DEC. .	13 8 46	13 13 27
765. G.F. 28 19 56	JAN. .	11 21 30	11 23 58
	○	26 15 52	26 22 40
	FEB. .	10 10 14	10 9 47
	MAR. .	10 22 59	10 19 17
	APRIL	9 11 43	9 5 5
	MAY .	9 0 27	8 16 4
	JUNE .	7 13 11	7 4 46
	JULY .	7 1 55	6 19 25
	○	21 20 17	21 13 8
	AUG. .	5 14 39	5 11 35
	SEPT. .	4 3 23	4 4 33
	OCT. .	3 16 7	3 21 19
	NOV. .	2 4 51	2 13 4
	DEC. .	1 17 35	2 3 13
		31 6 19	31 15 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 764. E. March. *d. h. m.* 29 1 45	○	15 0 41	14 22 14
	JAN.	29 19 8	30 2 4
	FEB.	28 7 47	28 11 7
	MAR.	29 20 31	29 19 14
	APRIL	28 9 15	28 8 16
	MAY	27 21 59	27 12 14
	JUNE	26 10 48	25 28 5
	○	11 5 5	11 10 10
	JULY	25 28 27	25 12 29
	AUG.	24 12 11	24 4 26
	SEPT.	23 0 55	22 22 17
	OCT.	22 13 39	22 16 52
	NOV.	21 2 28	21 10 44
	DEC.	20 15 7	21 2 47
763. D. 29 7 34	○	4 9 29	4 2 23
	JAN.	19 8 51	19 16 20
	FEB.	17 16 35	18 8 18
	MAR.	19 5 20	19 12 8
	APRIL	17 18 4	17 19 32
	MAY	17 6 48	17 2 30
	JUNE	15 19 32	15 10 6
	JULY	15 8 16	14 19 27
	AUG.	13 21 0	13 7 27
	SEPT.	12 9 44	11 22 29
	OCT.	11 22 28	11 16 13
	NOV.	10 11 12	10 11 31
	DEC.	9 23 56	10 6 46
762. C. 29 13 23	JAN.	8 12 40	9 0 23
	FEB.	7 1 24	7 15 17
	MAR.	8 14 8	9 3 8
	APRIL	7 2 52	7 12 20
	MAY	6 15 36	6 19 44
	○	21 9 58	21 9 30
	JUNE	5 4 20	5 2 23
	JULY	4 17 4	4 9 22
	AUG.	3 5 48	2 17 48
	SEPT.	1 13 32	1 4 37
	OCT.	1 7 16	30 18 25
		30 20 0	30 11 8
	○	14 14 22	14 18 6
	NOV.	29 8 44	29 5 58
	DEC.	28 21 28	29 1 27

Mean Vernal Equinox.	Month.	Mean New Moon (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 761. B.A. March. *d. h. m.* 28 19 12	JAN.	27 10 12	27 19 55
	FEB.	25 22 56	26 12 1
	MAR.	26 11 41	27 1 7
	APRIL	25 0 25	25 11 20
	○	9 18 47	9 11 32
	MAY	24 13 9	24 19 26
	JUNE	23 1 58	23 2 30
	JULY	22 14 37	22 9 38
	AUG.	21 8 21	20 17 50
	SEPT.	19 16 5	19 8 56
	OCT.	19 4 49	18 16 32
	○	2 23 11	3 7 9
	NOV.	17 17 33	17 7 42
	DEC.	17 6 17	17 1 3
760. G. 29 1 1	JAN.	15 19 1	15 19 32
	FEB.	14 7 45	14 13 49
	MAR.	15 20 30	16 6 36
	APRIL	14 9 14	14 20 58
	○	29 3 36	28 19 47
	MAY	13 21 58	14 8 40
	JUNE	12 10 42	12 18 13
	JULY	11 23 26	12 2 28
	AUG.	10 12 10	10 10 26
	SEPT.	9 0 54	8 19 3
	OCT.	8 13 38	8 4 59
	○	23 8 0	23 13 36
	NOV.	7 2 22	6 16 39
	DEC.	6 15 6	6 6 9
759. F. 29 6 49	JAN.	5 8 50	4 21 23
	FEB.	3 16 34	3 13 52
	MAR.	5 5 18	5 6 53
	APRIL	3 18 2	3 23 29
	MAY	3 6 46	3 14 46
	JUNE	1 19 30	2 4 9
	JULY	1 8 14	1 15 42
		30 20 58	31 1 49
	AUG.	29 9 42	29 11 19
	SEPT.	27 22 26	27 20 55
	OCT.	27 11 10	27 7 9
	NOV.	25 23 54	25 18 14
	DEC.	25 12 38	25 6 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 758. E. March. *d. h. m.* 29 12 38	JAN.	24 1 22	23 19 11
	FEB.	22 14 6	22 9 10
	○	9 8 28	9 19 50
	MAR.	24 2 51	24 0 6
	APRIL	22 15 35	22 15 35
	MAY	22 4 19	22 7 5
	JUNE	20 17 8	20 21 55
	JULY	20 5 47	20 11 38
	AUG.	18 18 31	19 0 10
	○	2 12 53	1 22 59
	SEPT.	17 7 15	17 11 47
	OCT.	16 19 59	16 22 54
	NOV.	15 8 43	15 9 49
	DEC.	14 21 27	14 20 39
757. D.C. 28 18 27	JAN.	13 10 11	13 7 28
	FEB.	11 22 55	11 18 23
	○	26 17 17	27 7 17
	MAR.	12 11 40	12 5 50
	APRIL	11 0 24	10 18 16
	MAY	10 13 8	10 7 57
	JUNE	9 1 52	8 22 52
	JULY	8 14 36	8 14 29
	AUG.	7 3 20	7 6 7
	○	21 21 42	21 10 0
	SEPT.	5 16 4	5 21 12
	OCT.	5 4 48	5 11 19
	NOV.	3 17 32	4 0 21
	DEC.	3 6 16	3 12 19
756. B. 29 0 16	JAN.	1 19 0	1 23 14
		31 7 44	31 9 12
	FEB.	...	...
	MAR.	1 20 28	1 18 33
		31 9 12	31 3 50
	APRIL	29 21 56	29 13 54
	MAY	29 10 40	29 1 32
	JUNE	27 23 24	27 15 9
	JULY	27 12 8	27 6 43
	○	11 6 30	11 1 57
	AUG.	26 0 52	25 23 36
	SEPT.	24 13 36	24 16 51
	OCT.	24 2 20	24 9 28
	NOV.	22 15 4	23 0 38
	DEC.	22 3 48	22 13 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 755. A. March. *d. h. m.* 29 6 5	JAN.	20 16 32	21 1 17
	FEB.	19 5 16	19 10 52
	MAR.	20 18 1	20 19 11
	APRIL	19 6 45	19 2 57
	MAY	18 19 29	18 11 10
	JUNE	17 8 13	16 20 52
	JULY	16 20 57	16 8 56
	AUG.	15 9 41	14 23 42
	SEPT.	13 22 25	13 16 54
	OCT.	13 11 9	13 11 27
	NOV.	11 23 53	12 6 2
	DEC.	11 12 37	11 23 14
	○	26 6 59	25 23 33
754. G. 29 11 54	JAN.	10 1 21	10 14 5
	FEB.	8 14 5	9 2 15
	MAR.	10 2 50	10 11 56
	APRIL	8 15 34	8 19 48
	MAY	8 4 18	8 2 45
	JUNE	6 17 2	6 9 50
	○	21 11 24	21 18 14
	JULY	6 5 46	5 18 10
	AUG.	4 18 30	4 4 46
	SEPT.	3 7 14	2 18 22
	OCT.	2 19 53	2 10 56
	NOV.	1 8 42	1 5 43
		30 21 26	
	○	15 15 48	1 1 15
		30 10 10	15 12 25
	DEC.		30 19 53
753. F.E. 28 17 43	JAN.	28 22 54	29 12 12
	FEB.	27 11 38	28 1 29
	MAR.	28 0 22	28 11 51
	APRIL	26 13 6	26 19 57
	MAY	26 1 50	26 2 49
	○	9 20 12	9 20 26
	JUNE	24 14 34	24 9 31
	JULY	24 3 18	23 17 10
	AUG.	22 16 2	22 2 47
	SEPT.	21 4 46	20 15 8
	OCT.	20 17 30	20 6 29
	NOV.	19 6 14	19 0 24
	○	4 0 36	4 4 7
	DEC.	18 18 58	18 19 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 752.		d. h. m.	d. h. m.	B.C. 749.		d. h. m.	d. h. m.
D. March. d. h. m. 28 23 32	JAN. .	17 7 42	17 14 45	A.G. March. d. h. m. 28 16 58	JAN. .	14 22 52	14 16 48
	FEB. .	15 20 26	16 8 4		FEB. .	13 11 36	13 5 58
	MAR. .	17 9 11	17 22 38		MAR. .	14 0 21	13 20 8
	APRIL	15 21 55	16 10 11		○	28 18 43	29 4 7
	MAY .	15 10 39	15 18 35		APRIL	12 13 5	12 11 9
	JUNE .	13 28 23	14 2 45		MAY .	12 1 49	12 2 37
	JULY .	13 12 7	13 9 49		JUNE .	10 14 33	10 17 53
	AUG. .	12 0 51	11 17 31		JULY .	10 3 17	10 8 21
	SEPT. .	10 13 35	10 2 43		AUG. .	8 16 1	8 21 44
	OCT. .	10 2 19	9 14 7		SEPT. .	7 4 45	7 10 4
	NOV. .	8 15 3	8 4 2		○	21 23 7	21 10 9
	DEC. .	8 3 47	7 20 17		OCT. .	6 17 29	6 21 39
					NOV. .	5 6 13	5 8 49
751. C. 29 5 21	JAN. .	6 16 31	6 14 9		DEC. .	4 18 57	4 19 45
	FEB. .	5 5 15	5 8 31				
	MAR. .	6 17 59	7 2 1	748. F. 23 22 47	JAN. .	3 7 41	3 6 27
	APRIL	5 6 43	5 17 34		FEB. .	1 20 25	1 17 5
	○	20 1 5	19 19 18		MAR. .	3 9 9	3 3 54
	MAY .	4 19 27	5 6 35		APRIL	1 21 53	1 15 29
	JUNE .	3 8 11	3 17 13		MAY .	1 10 37	1 4 18
	JULY .	2 20 55	3 2 8			30 23 21	30 18 31
	AUG. .	1 9 39	1 10 19		JUNE .	29 12 5	29 9 52
		30 22 23	30 18 42		JULY .	29 0 49	29 1 45
	SEPT. .	29 11 7	29 4 5		AUG. .	27 13 33	27 17 28
	○	14 5 29	14 8 43		SEPT. .	26 2 17	26 8 23
	OCT. .	28 23 51	28 14 55		OCT. .	25 15 1	25 22 14
	NOV. .	27 12 35	27 3 29		NOV. .	24 3 45	24 10 52
	DEC. .	27 1 19	26 17 44		DEC. .	23 16 29	23 22 20
750. B. 29 11 9	JAN. .	25 14 3	25 9 24	747. E. 23 4 36	JAN. .	22 5 14	22 8 39
	FEB. .	24 2 47	24 2 0		○	5 23 36	6 6 9
	MAR. .	25 15 32	25 18 43		FEB. .	20 17 58	20 18 2
	○	9 9 54	9 11 17		MAR. .	22 6 42	22 3 1
	APRIL	24 4 16	24 10 38		APRIL	20 19 26	20 12 21
	MAY .	23 17 0	24 1 2		MAY .	20 8 10	19 22 55
	JUNE .	22 5 44	22 13 37		JUNE .	18 20 54	18 11 26
	JULY .	21 18 28	22 0 35		JULY .	18 9 38	18 2 5
	AUG. .	20 7 12	20 10 33		○	2 4 0	2 1 57
	SEPT. .	18 19 56	18 20 16		AUG. .	16 22 22	16 18 34
	○	3 14 18	3 8 15		SEPT. .	15 11 6	15 12 0
	OCT. .	18 8 40	18 6 20		OCT. .	14 23 50	15 5 17
	NOV. .	16 21 21	16 17 3		NOV. .	13 12 34	13 21 29
	DEC. .	16 10 8	16 4 31		DEC. .	13 1 18	13 11 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 746. D. March. *d. h. m.* 29 10 24	JAN. .	11 14 8	12 0 12
	○	26 8 25	26 5 57
	FEB. .	10 2 47	10 10 28
	MAR. .	11 15 31	11 19 9
	APRIL	10 4 15	10 2 54
	MAY .	9 16 59	9 10 36
	JUNE .	8 5 43	7 19 20
	JULY .	7 18 27	7 6 5
	○	22 12 49	22 17 42
	AUG. .	6 7 11	5 19 33
	SEPT. .	4 19 55	4 11 42
	OCT. .	4 8 39	4 5 54
	NOV. .	2 21 23	3 0 49
	DEC. .	2 10 7	2 19 0
		31 22 51	...
745. C.B. 23 16 13	JAN. ○	...	1 11 10
		15 17 13	15 10 39
		30 11 35	31 0 37
	FEB. .	29 0 19	29 11 23
	MAR. .	29 13 3	29 19 55
	APRIL	28 1 47	28 3 5
	MAY .	27 14 31	27 9 53
	JUNE .	26 3 15	25 17 26
	JULY .	25 15 59	25 2 50
	AUG. .	24 4 43	23 14 55
	SEPT. .	22 17 27	22 6 7
	OCT. .	22 6 11	22 0 2
	NOV. .	20 18 55	20 19 28
	DEC. .	20 7 39	20 14 46
744. A. 28 22 2	JAN. .	18 20 24	19 8 22
	FEB. .	17 9 8	17 23 9
	MAR. .	18 21 52	19 10 50
	APRIL	17 10 36	17 19 53
	MAY .	16 23 20	17 8 12
	JUNE .	15 12 4	15 9 51
	JULY .	15 0 48	14 16 58
	AUG. .	13 13 32	13 1 34
	SEPT. .	12 2 16	11 12 34
	OCT. .	11 15 0	11 2 30
	NOV. .	10 3 44	9 19 14
	○	24 22 6	25 3 2
	DEC. .	9 16 28	9 13 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 743. G. March. *d. h. m.* 29 3 50	JAN. .	8 5 13	8 9 15
	FEB. .	6 17 57	7 3 31
	MAR. .	8 6 41	8 19 26
	APRIL	6 19 25	7 8 23
	MAY .	6 8 9	6 18 36
	○	21 2 31	20 18 15
	JUNE .	4 20 53	5 2 48
	JULY .	4 9 37	4 10 8
	AUG. .	2 22 21	2 17 27
	SEPT. .	1 11 5	1 1 58
		30 23 49	30 12 19
	OCT. .	30 12 33	30 1 1
	○	14 6 55	14 15 45
	NOV. .	29 1 17	28 16 5
	DEC. .	28 14 1	28 9 6
742. F. 29 9 39	JAN. .	27 2 45	27 3 11
	FEB. .	25 15 29	25 21 4
	MAR. .	27 4 13	27 13 34
	APRIL	25 16 57	26 3 50
	○	10 11 19	10 3 22
	MAY .	25 5 41	25 15 40
	JUNE .	23 18 25	24 1 28
	JULY .	23 7 9	23 10 4
	AUG. .	21 19 53	21 18 27
	SEPT. .	20 8 37	20 3 29
	OCT. .	19 21 21	19 13 41
	○	3 15 43	3 21 40
	NOV. .	18 10 5	18 1 24
	DEC. .	17 22 49	17 14 41
741. E.D. 28 15 23	JAN. .	16 11 34	16 5 29
	FEB. .	15 0 18	14 21 25
	MAR. .	15 13 2	15 13 54
	APRIL	14 1 46	14 6 9
	MAY .	13 14 30	13 21 21
	JUNE .	12 3 14	12 10 56
	JULY .	11 15 58	11 22 52
	AUG. .	10 4 42	10 9 30
	SEPT. .	8 17 26	8 19 31
	OCT. .	8 6 10	8 5 35
	NOV. .	6 18 54	6 16 4
	DEC. .	6 7 38	6 3 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 740.		d. h. m.	d. h. m.
C. March. d. h. m. 28 21 17	JAN. .	4 20 23	4 14 52
	FEB. ,	3 9 7	3 8 19
	MAR. .	4 21 51	4 16 40
	○	19 16 18	20 3 39
	APRIL	3 10 35	3 7 0
	MAY ,	2 23 19	2 22 7
	JUNE .	1 12 3	1 18 31
	JULY .	1 0 47	1 4 35
		30 13 31	30 18 46
	AUG. .	29 2 15	29 7 53
	○	12 20 37	12 6 49
	SEPT. .	27 14 59	27 20 6
	OCT. .	27 3 43	27 7 39
	NOV. .	25 16 27	25 18 48
	DEC. .	25 5 11	25 5 34
739. B,	JAN. .	23 17 55	23 16 2
	FEB. .	22 6 39	22 2 26
	○	9 1 1	9 14 8
29 3 6	MAR. .	23 19 23	23 13 17
	APRIL	22 8 7	22 1 11
	MAY .	21 20 51	21 14 32
	JUNE .	20 9 35	20 5 20
	JULY .	19 22 19	19 21 10
	AUG. .	18 11 3	18 13 16
	○	2 5 25	1 18 2
	SEPT. .	16 23 47	17 4 56
	OCT. .	16 12 31	16 19 38
	NOV. .	15 1 15	15 9 5
	DEC. .	14 13 59	14 21 12
738. A,	JAN. .	13 2 44	13 7 59
	FEB. .	11 15 28	11 17 37
	○	26 9 50	26 18 32
29 3 55	MAR. .	13 4 12	13 2 29
	APRIL	11 16 56	11 11 18
	MAY .	11 5 40	10 20 58
	JUNE .	9 18 24	9 8 18
	JULY .	9 7 8	8 21 52
	AUG. .	7 19 52	7 13 36
	○	22 14 14	22 10 0
	SEPT. .	6 8 36	6 6 52
	OCT. .	5 21 20	6 0 37
	NOV. .	4 10 4	4 17 43
	DEC. .	3 22 48	4 9 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 737. G.F.		d. h. m.	d. h. m.
March. d. h. m. 28 14 44	JAN. .	2 11 32	2 22 36
	FEB. .	1 0 16	1 9 47
	MAR. .	1 13 0	1 19 3
		31 1 44	31 2 58
	APRIL	29 14 28	29 10 25
	MAY .	29 3 12	28 18 21
	JUNE .	27 15 56	27 3 56
	JULY .	27 4 40	26 16 0
	AUG. .	25 17 24	25 6 55
	SEPT. .	24 6 8	24 0 22
	OCT. .	23 18 52	23 19 16
	NOV. .	22 7 36	22 14 8
	DEC. .	21 20 20	22 7 31
	○	5 14 42	5 3 0
736. E,	JAN. .	20 9 5	20 22 23
	FEB. .	18 21 49	19 10 21
28 20 32	MAR. .	20 10 33	20 19 48
	APRIL	18 23 17	19 3 25
	MAY .	18 12 1	18 10 11
	JUNE .	17 0 45	16 17 12
	○	1 19 7	2 1 1
	JULY .	16 13 29	16 1 32
	AUG. .	15 2 13	14 12 16
	SEPT. .	13 14 57	13 1 59
	OCT. .	13 3 41	12 18 43
	NOV. .	11 16 25	11 13 37
	DEC. .	11 5 9	11 9 14
	○	25 23 31	25 21 16
735. D,	JAN. .	9 17 54	10 3 51
	FEB. .	8 6 38	8 20 3
29 2 21	MAR. .	9 19 22	10 9 11
	APRIL	8 8 6	8 19 24
	MAY .	7 20 50	8 3 24
	JUNE .	6 9 34	6 10 16
	○	21 3 56	21 2 55
	JULY .	5 22 18	5 17 4
	AUG. .	4 11 2	4 0 54
	SEPT. .	2 23 46	2 10 44
	OCT. .	2 12 30	1 23 14
			31 14 39
	NOV. .	1 1 14	
		30 13 58	30 8 29
	○	15 8 20	15 13 3
	DEC. .	30 2 42	30 3 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 734.		d. h. m.	d. h. m.
C. March. d. h. m. 29 8 10	JAN.	28 15 26	28 22 28
	FEB.	27 4 10	27 15 28
	MAR.	28 16 54	29 5 52
	APRIL	27 5 38	27 17 23
	MAY	26 18 22	27 2 30
	JUNE	25 7 6	25 10 12
	JULY	24 19 50	24 17 32
	AUG.	23 8 34	23 1 33
	SEPT.	21 21 18	21 11 8
	OCT.	21 10 2	20 22 37
	NOV.	19 22 46	19 12 29
	DEC.	19 11 30	19 4 29
733. B.A. 28 18 59	JAN.	18 0 15	17 21 59
	FEB.	16 12 59	16 15 53
	MAR.	17 1 48	17 9 2
	APRIL	15 14 27	16 0 24
	○	30 8 49	30 2 40
	MAY	15 8 11	15 13 28
	JUNE	13 15 55	14 0 19
	JULY	13 4 39	13 9 35
	AUG.	11 17 28	11 18 11
	SEPT.	10 6 7	10 8 2
	OCT.	9 18 51	9 12 45
	○	24 13 13	24 16 36
	NOV.	8 7 35	7 23 46
	DEC.	7 20 19	7 12 12
732. G. 23 19 48	JAN.	6 9 4	6 2 5
	FEB.	4 21 48	4 17 12
	MAR.	6 10 32	6 9 13
	APRIL	4 23 16	5 1 28
	○	19 17 38	19 18 55
	MAY	4 12 0	4 17 11
	JUNE	3 0 44	3 7 40
	JULY	2 13 28	2 20 36
	AUG.	1 2 12	1 8 2
		30 14 56	30 18 33
	SEPT.	29 8 40	29 4 48
	○	13 22 2	13 15 59
	OCT.	28 16 21	28 15 11
	NOV.	27 5 8	27 2 1
	DEC.	26 17 52	26 13 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 731.		d. h. m.	d. h. m.
F. March. d. h. m. 29 1 36	JAN.	25 6 36	25 1 8
	FEB.	23 19 20	23 18 43
	MAR.	25 8 4	25 8 15
	○	9 2 26	9 11 45
	APRIL	23 20 48	23 17 47
	MAY	23 9 32	23 9 2
	JUNE	21 22 16	22 0 28
	JULY	21 11 0	21 15 15
	AUG.	19 23 44	20 5 11
	SEPT.	18 12 28	18 18 8
	○	3 6 50	2 18 5
	OCT.	18 1 12	18 6 15
	NOV.	16 13 56	16 17 44
	DEC.	16 2 40	16 4 40
730. E. 29 7 25	JAN.	14 15 25	14 15 10
	FEB.	13 4 9	13 1 20
	MAR.	14 16 53	14 11 37
	APRIL	13 5 37	12 22 39
	MAY	12 18 21	12 11 1
	JUNE	11 7 5	11 1 2
	JULY	10 19 49	10 16 28
	AUG.	9 8 33	9 8 43
	SEPT.	7 21 17	8 0 56
	OCT.	7 10 1	7 16 29
	NOV.	5 22 45	6 6 50
	DEC.	5 11 29	5 19 44
729. D.C. 23 13 14	JAN.	4 0 14	4 7 9
	FEB.	2 12 58	2 17 11
	○	17 7 20	17 13 31
	MAR.	3 1 42	3 2 9
	APRIL	1 14 26	1 10 41
			30 19 35
	MAY	1 8 10	
		30 15 54	30 5 50
	JUNE	29 4 33	28 18 12
	JULY	28 17 22	28 8 55
	○	12 11 44	12 9 58
	AUG.	27 6 6	27 1 41
	SEPT.	25 18 50	25 19 33
	OCT.	25 7 31	25 13 20
	NOV.	23 20 18	24 5 56
	DEC.	23 9 2	23 20 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 728. B. March. d. h. m. 28 19 8	JAN. .	21 21 46	22 8 42
	○	5 16 8	5 13 34
	FEB. .	20 10 30	20 18 45
	MAR. .	21 23 14	22 3 5
	APRIL	20 11 58	20 10 28
	MAY .	20 0 42	19 17 54
	JUNE .	18 13 26	18 2 28
	JULY .	18 2 10	17 13 12
	○	1 20 32	2 1 17
	AUG. .	16 14 54	16 2 43
	SEPT. .	15 3 38	14 19 7
	OCT. .	14 16 22	14 13 35
	NOV. .	13 5 6	13 8 48
	DEC. .	12 17 50	13 3 12
727. A. 29 0 52	JAN. .	11 6 35	11 19 25
	○	26 0 57	25 18 49
	FEB. .	9 19 19	10 8 46
	MAR. .	11 8 3	11 19 18
	APRIL	9 20 47	10 3 36
	MAY .	9 9 31	9 10 35
	JUNE .	7 22 15	7 17 18
	JULY .	7 10 59	7 0 51
	○	22 5 21	22 11 9
	AUG. .	5 23 43	5 10 20
	SEPT. .	4 12 27	3 22 35
	OCT. .	4 1 11	3 13 56
	NOV. .	2 13 55	2 7 57
	DEC. .	2 2 30	2 3 27
		31 15 23	31 22 43
726. G. 29 6 41	JAN. .	30 4 7	30 16 11
	FEB. .	28 16 52	1 6 50
	MAR. .	30 5 36	30 18 23
	APRIL	28 18 20	29 3 21
	MAY .	28 7 4	28 10 38
	JUNE .	26 19 48	26 17 21
	JULY .	26 8 32	26 0 39
	AUG. .	24 21 16	24 9 29
	SEPT. .	23 10 0	22 20 42
	OCT. .	22 22 44	22 10 43
	NOV. .	21 11 28	21 3 24
	○	6 5 50	6 11 58
	DEC. .	21 0 12	20 21 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 725. F.E. March. d. h. m. 28 12 29	JAN .	19 12 56	19 16 56
	FEB. .	18 1 40	18 10 55
	MAR. .	18 14 24	19 2 37
	APRIL	17 3 8	17 15 31
	MAY .	16 15 52	17 1 47
	○	31 10 14	31 0 59
	JUNE .	15 4 36	15 10 7
	JULY .	14 17 20	14 17 39
	AUG. .	13 6 4	13 1 23
	SEPT. .	11 18 48	11 10 14
	OCT. .	11 7 32	10 20 50
	NOV. .	9 20 16	9 9 31
	○	24 14 33	25 0 20
	DEC. .	9 9 0	9 0 26
724. D. 28 18 18	JAN. .	7 21 44	7 17 5
	FEB. .	6 10 29	6 10 42
	MAR. .	7 23 13	8 4 9
	APRIL	6 11 57	6 20 23
	MAY .	6 0 41	6 10 37
	○	20 19 3	20 10 33
	JUNE .	4 13 25	4 22 38
	JULY .	4 2 9	4 8 44
	AUG. .	2 14 53	2 17 48
	SEPT. .	1 8 37	1 2 38
		30 16 21	30 12 3
	OCT. .	30 5 5	29 22 30
	○	13 23 27	14 5 48
	NOV. .	28 17 49	28 10 12
	DEC. .	28 6 33	27 23 13
*723. C. 29 0 7	JAN. .	26 19 17	26 13 29
	FEB. .	25 8 1	25 4 48
	MAR. .	26 20 45	26 20 46
	APRIL	25 9 29	25 12 42
	MAY .	24 22 13	25 3 52
	JUNE .	23 10 57	23 17 43
	JULY .	22 23 41	23 6 5
	AUG. .	21 12 25	21 17 17
	SEPT. .	20 1 9	20 3 50
	OCT. .	19 13 53	19 14 19
	NOV. .	18 2 37	18 1 2
	DEC. .	17 15 21	17 12 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 722.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 29 5 56	JAN. .	16 4 6	15 23 24
	FEB. .	14 16 50	14 11 18
	MAR. .	16 5 34	16 0 1
	○	30 23 56	31 11 17
	APRIL	14 18 18	14 13 49
	MAY .	14 7 2	14 4 36
	JUNE .	12 19 46	12 19 58
	JULY .	12 8 30	12 11 18
	AUG. .	10 21 14	11 1 58
	SEPT. .	9 9 58	9 15 43
	○	24 4 20	23 14 45
	OCT. .	8 22 42	9 4 30
	NOV. .	7 11 26	7 16 28
	DEC. .	7 0 10	7 8 45
721. A.G. 28 11 45	JAN. .	5 12 55	5 14 23
	FEB. .	4 1 30	4 0 29
	MAR. .	4 14 23	4 10 23
	○	19 8 45	19 22 10
	APRIL	3 3 7	2 20 40
	MAY .	2 15 51	2 8 5
	JUNE .	1 4 35	31 21 8
		30 17 19	30 11 53
	JULY .	30 6 8	30 3 56
	AUG. .	28 18 47	28 20 31
	○	12 13 9	12 2 17
	SEPT. .	27 7 31	27 12 47
	OCT. .	26 20 15	27 4 2
	NOV. .	25 8 59	25 17 49
	DEC. .	24 21 43	25 6 1
720. F. 28 17 34	JAN. .	23 10 27	23 16 37
	FEB. .	21 23 11	22 1 43
	○	8 17 33	9 1 14
	MAR. .	23 11 55	23 10 19
	APRIL	22 0 30	21 18 42
	MAY .	21 13 23	21 3 59
	JUNE .	20 2 7	19 15 8
	JULY .	19 14 51	19 4 41
	AUG. .	18 3 35	17 20 36
	○	1 21 57	1 18 12
	SEPT. .	16 16 19	16 14 14
	OCT. .	16 5 3	16 8 27
	NOV. .	14 17 47	15 1 59
	DEC. .	14 6 31	14 17 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 719.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 28 23 22	JAN. .	12 19 16	13 7 8
	FEB. .	11 8 0	11 18 8
	MAR. .	12 20 44	13 3 5
	APRIL	11 9 23	11 10 40
	MAY .	10 22 12	10 17 49
	JUNE .	9 10 56	9 1 36
	JULY .	8 23 40	8 11 6
	AUG. .	7 12 24	6 23 13
	SEPT. .	6 1 8	5 14 18
	OCT. .	5 13 52	5 8 0
	NOV. .	4 2 36	4 3 10
	DEC. .	3 15 20	3 22 16
718. D. 29 5 11	JAN. ○	2 4 5	2 15 43
		16 22 27	16 16 27
		31 16 49	...
	FEB. .	...	1 6 31
	MAR. .	2 5 33	2 18 20
		31 18 17	1 3 32
	APRIL	30 7 1	30 10 58
	MAY .	29 19 45	29 17 37
	JUNE .	28 8 29	28 0 38
	○	13 2 51	13 7 22
	JULY .	27 21 13	27 9 5
	AUG. .	26 9 57	25 19 56
	SEPT. .	24 22 41	24 9 49
	OCT. .	24 11 25	24 2 39
	NOV. .	23 0 9	22 21 37
	DEC. .	22 12 53	22 17 11
717. O.B. 28 11 0	○	6 7 15	6 6 8
	JAN. .	21 1 37	21 11 39
	FEB. .	19 14 21	20 3 42
	MAR. .	20 3 5	20 16 43
	APRIL	18 15 49	19 2 49
	MAY .	18 4 33	18 10 47
	JUNE .	16 17 17	16 17 43
	○	1 11 39	1 9 25
	JULY .	16 6 1	16 0 41
	AUG. .	14 13 45	14 8 46
	SEPT. .	13 7 29	12 18 50
	OCT. .	12 20 13	12 7 29
	NOV. .	11 8 57	10 22 53
	DEC. .	10 21 41	10 16 33
	○	25 16 3	25 21 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 716.		d. h. m.	d. h. m.	B.C. 713.		d. h. m.	d. h. m.
A. March. d. h. m. 28 16 49	JAN. .	9 10 26	9 11 22	E.D. March. d. h. m. 28 10 15	JAN. .	7 1 36	6 22 1
	FEB. .	7 23 10	8 5 52		FEB. .	5 14 20	5 9 22
	MAR. .	9 11 54	9 22 41		MAR. .	6 3 4	5 21 20
	APRIL	8 0 38	8 12 58		APRIL	4 15 48	4 10 17
	MAY .	7 13 22	8 0 29		○	19 10 10	19 19 17
	JUNE .	6 2 6	6 9 45		MAY .	4 4 32	4 0 25
	JULY .	5 14 50	5 17 41		JUNE .	2 17 16	2 15 29
	AUG. .	4 3 34	4 1 22		JULY .	2 6 0	2 6 58
	SEPT. .	2 16 18	2 9 44			31 18 44	31 22 15
	OCT. .	2 5 2	1 19 33		AUG. .	30 7 28	30 12 45
		31 17 46	31 7 15		SEPT. .	28 20 12	29 2 20
	NOV. .	30 6 30	29 21 1		○	13 14 34	13 2 12
	DEC. .	29 19 14	29 12 40		OCT. .	28 8 56	28 14 55
					NOV. .	26 21 40	27 2 39
715. G. 28 22 38	JAN. .	23 7 59	28 5 40		DEC. .	26 10 24	26 13 35
	FEB. .	26 20 43	26 23 5				
	MAR. .	28 9 27	28 15 53	712. C. 28 16 4	JAN. .	24 23 8	24 23 46
	APRIL	26 22 11	27 7 8		FEB. .	23 11 53	23 9 30
	○	11 16 33	11 10 0		MAR. .	25 0 37	24 19 14
	MAY .	26 10 55	26 20 19		APRIL	23 13 21	23 5 45
	JUNE .	24 23 39	25 7 26		MAY .	23 2 5	22 17 45
	JULY .	24 12 23	24 17 7		JUNE .	21 14 49	21 7 36
	AUG. .	23 1 7	23 2 12		JULY .	21 3 33	20 23 9
	SEPT. .	21 13 51	21 11 29		AUG. .	19 16 17	19 15 45
	OCT. .	21 2 35	20 21 31		SEPT. .	18 5 1	18 8 33
	○	4 20 57	5 0 36		OCT. .	17 17 45	18 0 39
	NOV. .	19 15 19	19 8 37		NOV. .	16 6 29	16 15 26
	DEC. .	19 4 3	18 20 53		DEC. .	15 19 13	16 4 31
714. F. 29 4 27	JAN. .	17 16 47	17 10 18	711. B. 23 21 53	JAN. .	14 7 57	14 15 51
	FEB. .	16 5 31	16 0 51		FEB. .	12 20 41	13 1 35
	MAR. .	17 18 15	17 16 15		○	27 15 8	27 20 42
	APRIL	16 6 59	16 8 6		MAR. .	14 9 25	14 10 9
	○	1 1 21	1 2 27		APRIL	12 22 9	12 18 14
	MAY .	15 19 43	15 23 41		MAY .	12 10 53	12 2 46
	JUNE .	14 8 27	14 14 18		JUNE .	10 23 37	10 12 46
	JULY .	13 21 11	14 3 35		JULY .	10 12 21	10 1 1
	AUG. .	12 9 55	12 15 35		AUG. .	9 1 5	8 15 52
	SEPT. .	10 22 39	11 2 41		○	23 19 27	23 17 56
	OCT. .	10 11 23	10 13 24		SEPT. .	7 13 49	7 8 54
	○	25 5 45	24 23 48		OCT. .	7 2 33	7 3 12
	NOV. .	9 0 7	9 0 6		NOV. .	5 15 17	5 21 27
	DEC. .	8 12 51	8 10 58		DEC. .	5 4 1	5 14 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 710. A. March. *d. h. m.* 29 3 42	JAN.	3 16 46	4 5 0
	FEB.	2 5 30	2 17 6
	○	16 23 52	16 21 3
	MAR.	3 18 14	4 2 52
	APRIL	2 6 58	2 10 53
	MAY	1 19 42	1 17 59
		31 8 26	31 1 13
	JUNE	29 21 10	29 9 41
	JULY	29 9 54	28 20 26
	○	13 4 16	13 8 59
	AUG.	27 22 33	27 10 5
	SEPT.	26 11 22	26 2 41
	OCT.	26 0 6	25 21 25
	NOV.	24 12 50	24 16 51
	DEC.	24 1 34	24 11 20
709. G.F. 28 9 31	JAN.	22 14 18	23 3 32
	○	6 8 40	6 2 58
	FEB.	21 3 2	21 16 45
	MAR.	21 15 46	22 3 5
	APRIL	20 4 30	20 11 11
	MAY	19 17 14	19 18 2
	JUNE	18 5 58	18 0 43
	JULY	17 18 42	17 8 22
	○	1 13 4	1 18 17
	AUG.	16 7 26	15 18 0
	SEPT.	14 20 10	14 6 21
	OCT.	14 8 54	13 21 53
	NOV.	12 21 33	12 15 56
	DEC.	12 10 22	12 11 23
708. E. 23 15 20	JAN.	10 23 7	11 6 33
	FEB.	9 11 51	9 23 52
	MAR.	11 0 35	11 14 21
	APRIL	9 13 19	10 1 47
	MAY	9 2 8	9 10 40
	JUNE	7 14 47	7 18 1
	JULY	7 3 31	7 0 56
	AUG.	5 16 15	5 8 23
	SEPT.	4 4 59	3 17 34
	OCT.	3 17 43	3 4 58
	NOV.	2 6 27	1 19 2
	DEC.	1 19 11	1 11 36
	○	16 13 33	16 20 49
		31 7 55	31 5 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 707. D. March. *d. h. m.* 28 21 8	JAN.	29 20 40	30 0 31
	FEB.	28 9 24	28 18 11
	MAR.	29 22 8	30 9 42
	APRIL	28 10 52	28 22 34
	MAY	27 23 36	28 8 56
	○	11 17 58	11 7 47
	JUNE	26 12 20	26 17 31
	JULY	26 1 4	26 1 22
	AUG.	24 13 48	24 9 28
	SEPT.	23 2 32	22 18 40
	OCT.	22 15 16	22 5 28
	NOV.	21 4 0	20 18 11
	○	5 22 22	6 8 55
	DEC.	20 16 44	20 8 49
706. C. 29 2 57	JAN.	19 5 23	19 1 0
	FEB.	17 18 12	17 18 3
	MAR.	19 6 56	19 11 5
	APRIL	17 19 40	18 3 6
	MAY	17 8 24	17 17 20
	○	1 2 46	31 17 46
	JUNE	15 21 8	16 5 34
	JULY	15 9 52	15 16 5
	AUG.	13 22 36	14 1 35
	SEPT.	12 11 20	12 10 56
	OCT.	12 0 4	11 20 43
	NOV.	10 12 48	10 7 22
	○	25 7 10	25 13 55
	DEC.	10 1 32	9 19 0
705. B.A. 28 8 46	JAN.	8 14 17	8 7 41
	FEB.	7 3 1	6 21 23
	MAR.	7 15 45	7 12 6
	APRIL	6 4 23	6 3 33
	MAY	5 17 13	5 19 13
	JUNE	4 5 57	4 10 24
	JULY	3 18 41	4 0 33
	AUG.	2 7 25	2 13 24
		31 20 9	1 1 11
	SEPT.	30 8 58	30 12 17
	OCT.	29 21 37	29 23 9
	NOV.	28 10 21	28 10 0
	DEC.	27 23 5	27 20 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 704.		d. h. m.	d. h. m.
G. March. d. h. m. 28 14 35	JAN.	26 11 50	26 7 51
	FEB.	25 0 34	24 19 11
	MAR.	26 13 18	26 7 19
	○	10 7 40	10 18 49
	APRIL	25 2 2	24 20 36
	MAY	24 14 46	24 11 6
	JUNE	23 3 30	23 2 28
	JULY	22 16 14	22 18 4
	AUG.	21 4 58	21 9 18
	SEPT.	19 17 42	19 23 39
	○	4 12 4	3 22 53
	OCT.	19 6 26	19 13 0
	NOV.	17 19 10	18 1 19
	DEC.	17 7 54	17 12 41
703. F. 28 20 24	JAN.	15 20 38	15 23 7
	FEB.	14 9 22	14 8 49
	MAR.	15 22 6	15 18 12
	○	30 16 28	31 5 23
	APRIL	14 10 50	14 3 58
	MAY	13 23 34	13 14 56
	JUNE	12 12 18	12 3 45
	JULY	12 1 2	11 18 30
	AUG.	10 13 46	10 10 49
	SEPT.	9 2 30	9 3 53
	○	28 20 52	28 10 37
	OCT.	8 15 14	8 20 48
	NOV.	7 3 58	7 12 27
	DEC.	6 16 42	7 2 32
702. E. 29 2 13	JAN.	5 5 27	5 14 45
	FEB.	3 18 11	4 1 8
	MAR.	5 6 55	5 10 2
	○	20 1 17	20 8 38
	APRIL	3 19 39	3 18 2
	MAY	3 8 23	3 2 2
	JUNE	1 21 7	1 11 3
	JULY	1 9 51	30 22 2
		30 22 35	30 11 37
	AUG.	29 11 19	29 3 45
	○	13 5 41	13 2 32
	SEPT.	28 0 3	27 21 46
	OCT.	27 12 47	27 16 25
	NOV.	26 1 31	26 10 16
	DEC.	25 14 15	26 2 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 701.		d. h. m.	d. h. m.
D.C. March. d. h. m. 28 8 1	JAN.	24 3 0	24 15 34
	FEB.	22 15 44	23 2 20
	MAR.	23 4 28	23 10 58
	APRIL	21 17 12	21 18 16
	MAY	21 5 56	21 1 13
	JUNE	19 18 40	19 8 53
	JULY	19 7 24	18 18 23
	AUG.	17 20 8	17 6 35
	SEPT.	16 8 52	15 21 51
	OCT.	15 21 36	15 15 45
	NOV.	14 10 20	14 11 8
	DEC.	13 23 4	14 6 20
700. B. 28 13 50	JAN.	12 11 48	12 23 49
	○	27 6 10	27 0 44
	FEB.	11 0 32	11 14 29
	MAR.	12 13 16	13 2 7
	APRIL	11 2 0	11 11 9
	MAY	10 14 44	10 18 26
	JUNE	9 8 28	9 1 4
	JULY	8 16 12	8 8 8
	○	23 10 34	23 14 48
	AUG.	7 4 56	6 16 43
	SEPT.	5 17 40	5 3 45
	OCT.	5 6 24	4 17 46
	NOV.	3 19 8	3 10 41
	DEC.	3 7 52	3 5 35
699. A. 28 19 39	JAN. ○	1 20 37	2 1 2
		16 14 59	16 14 43
		31 9 21	31 19 20
	FEB.	...	...
	MAR.	1 22 5	2 11 13
		31 10 49	1 0 5
	APRIL	29 23 33	30 10 9
	MAY	29 12 17	29 18 9
	JUNE	28 1 1	28 1 14
	○	12 19 23	12 16 2
	JULY	27 13 45	27 8 26
	AUG.	26 2 29	25 16 47
	SEPT.	24 15 13	24 8 5
	OCT.	24 3 57	23 15 53
	NOV.	22 16 41	22 7 12
	DEC.	22 5 25	22 0 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 698. G. March. *d. h. m.* 29 1 28	○	5 23 48	6 6 45
	JAN.	20 18 10	20 19 2
	FEB.	19 6 54	19 13 13
	MAR.	20 19 38	21 5 47
	APRIL	19 8 22	19 19 57
	MAY	18 21 6	19 7 32
	JUNE	17 9 50	17 17 0
	○	2 4 12	1 17 41
	JULY	16 22 34	17 1 16
	AUG.	15 11 18	15 9 20
	SEPT.	14 0 2	13 18 5
	OCT.	13 12 46	13 4 10
	NOV.	12 1 30	11 15 57
	DEC.	11 14 14	11 5 33
697. F.E. 23 7 17	JAN.	10 2 58	9 20 48
	FEB.	8 15 42	8 13 14
	MAR.	9 4 26	9 6 10
	APRIL	7 17 10	7 22 33
	MAY	7 5 54	7 13 47
	○	22 0 16	21 17 16
	JUNE	5 18 38	6 8 6
	JULY	5 7 22	5 14 35
	AUG.	3 20 6	4 0 44
	SEPT.	2 8 50	2 10 18
	OCT.	1 21 34	1 20 2
		31 10 18	31 6 22
	○	15 4 40	15 8 37
	NOV.	29 23 2	29 17 30
	DEC.	29 11 46	29 5 30
696. D. 28 13 6	JAN.	28 0 31	27 18 27
	FEB.	26 13 15	26 8 24
	MAR.	28 1 59	27 23 14
	APRIL	26 14 43	26 14 41
	○	11 9 5	11 9 56
	MAY	26 3 27	26 6 9
	JUNE	24 16 11	24 20 57
	JULY	24 4 55	24 10 41
	AUG.	22 17 39	22 23 15
	SEPT.	21 6 23	21 10 55
	OCT.	20 19 7	20 22 7
	○	4 13 29	4 7 44
	NOV.	19 7 51	19 9 4
	DEC.	18 20 35	18 19 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 695. C. March. *d. h. m.* 28 18 54	JAN.	17 9 19	17 6 38
	FEB.	15 22 3	15 17 28
	MAR.	17 10 47	17 4 51
	APRIL	15 23 31	15 17 14
	○	30 17 53	1 2 42
	MAY	15 12 15	15 6 59
	JUNE	14 0 59	13 21 55
	JULY	13 13 43	13 13 35
	AUG.	12 2 27	12 5 19
	SEPT.	10 15 11	10 20 26
	OCT.	10 3 55	10 10 35
	○	24 22 17	24 10 25
	NOV.	8 16 39	8 23 39
	DEC.	8 5 23	8 11 34
694. B. 29 0 43	JAN.	6 18 8	6 22 25
	FEB.	5 6 52	5 8 15
	MAR.	6 19 36	6 17 29
	APRIL	5 8 20	5 2 43
	MAY	4 21 4	4 12 47
	JUNE	3 9 48	3 0 28
	JULY	2 22 32	2 14 13
	AUG.	1 11 16	1 5 55
		31 0 0	30 22 56
	SEPT.	29 12 44	29 16 15
	OCT.	29 1 28	29 8 53
	NOV.	27 14 12	28 0 1
	DEC.	27 2 56	27 13 14
693. A.G. 28 6 32	JAN.	25 15 41	26 0 26
	FEB.	24 4 25	24 9 51
	○	9 22 47	10 3 47
	MAR.	24 17 9	24 18 1
	APRIL	23 5 53	23 1 43
	MAY	22 18 37	22 9 57
	JUNE	21 7 21	20 19 45
	JULY	20 20 5	20 8 0
	AUG.	19 8 49	18 22 59
	○	3 3 11	3 2 8
	SEPT.	17 21 33	17 16 20
	OCT.	17 10 17	17 11 0
	NOV.	15 23 1	16 5 35
	DEC.	15 11 45	15 22 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 692. F. March. *d. h. m.* 28 12 21	JAN. .	14 0 29	14 13 28
	FEB. .	12 13 13	13 1 20
	○	27 7 35	27 4 26
	MAR. .	14 1 57	14 10 49
	APRIL	12 14 41	12 18 33
	MAY .	12 3 25	12 1 26
	JUNE .	10 16 9	10 8 33
	JULY .	10 4 53	9 17 0
	AUG. .	8 17 37	8 3 48
	○	23 11 59	23 16 47
	SEPT. .	7 6 21	6 17 36
	OCT. .	6 19 5	6 10 23
	NOV. .	5 7 49	5 5 17
	DEC. .	4 20 33	5 0 50
691. E. 28 18 10	JAN. .	3 9 18	3 19 22
	FEB. .	1 22 2	2 11 29
	○	16 16 24	16 10 52
	MAR. .	3 10 46	4 0 34
	APRIL	1 23 30	2 10 42
	MAY .	1 12 14	1 18 41
		31 0 58	31 1 29
	JUNE .	29 13 42	29 8 14
	JULY .	29 2 26	28 16 1
	○	12 20 48	13 1 33
	AUG. .	27 15 10	27 1 49
	SEPT. .	26 3 54	25 14 21
	OCT. .	25 16 38	25 5 57
	NOV. .	24 5 22	23 23 59
	DEC. .	23 18 6	23 19 17
690. D. 23 23 59	JAN. .	22 6 51	22 14 15
	FEB. .	20 19 35	21 7 24
	MAR. .	22 8 19	22 21 43
	APRIL	20 21 8	21 9 4
	MAY .	20 9 47	20 17 59
	JUNE .	18 22 31	19 1 28
	JULY .	18 11 15	18 8 33
	AUG. .	16 23 59	16 16 25
	SEPT. .	15 12 43	15 1 48
	OCT. .	15 1 27	14 13 23
	NOV. .	13 14 11	13 3 27
	DEC. .	13 2 55	12 19 48
	○	27 21 17	23 5 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 689. C.B. March. *d. h. m.* 23 5 47	JAN. .	11 15 39	11 13 41
	FEB. .	10 4 28	10 7 57
	MAR. .	10 17 7	11 1 17
	APRIL	9 5 51	9 16 38
	MAY .	8 18 35	9 5 30
	JUNE .	7 7 19	7 16 2
	○	22 1 41	21 14 36
	JULY .	6 20 8	7 0 56
	AUG. .	5 8 47	5 9 9
	SEPT. .	3 21 31	3 17 41
	OCT. .	3 10 15	3 3 13
	NOV. .	1 22 59	1 14 12
	DEC. ○	1 11 43	1 2 52
		16 6 5	16 17 25
		31 0 27	30 17 7
688. A. 28 11 36	JAN. .	29 13 12	29 8 48
	FEB. .	28 1 56	28 1 19
	MAR. .	29 14 40	29 17 54
	APRIL	28 3 21	23 9 43
	MAY .	27 16 8	28 0 0
	○	11 10 30	11 0 59
	JUNE .	26 4 52	26 12 32
	JULY .	25 17 36	25 23 30
	AUG. .	24 6 20	24 9 33
	SEPT. .	22 19 4	22 19 21
	OCT. .	22 7 48	22 5 32
	NOV. .	20 20 32	20 16 18
	○	5 14 54	5 22 3
	DEC. .	20 9 16	20 3 47
687. G. 28 17 25	JAN. .	18 22 0	18 16 2
	FEB. .	17 10 45	17 5 10
	MAR. .	18 23 29	18 19 17
	APRIL	17 12 13	17 10 16
	MAY .	17 0 57	17 1 41
	JUNE .	15 18 41	15 16 55
	JULY .	15 2 25	15 7 25
	AUG. .	13 15 9	13 20 50
	SEPT. .	12 8 53	12 9 13
	OCT. .	11 16 37	11 20 52
	NOV. .	10 5 21	10 8 4
	DEC. .	9 18 5	9 18 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 686.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 28 23 14	JAN.	8 6 49	8 5 39
	FEB.	6 19 33	6 16 10
	MAR.	8 8 17	8 2 56
	APRIL	6 21 1	6 14 29
	○	21 15 23	22 2 13
	MAY	6 9 45	6 3 18
	JUNE	4 22 29	4 17 33
	JULY	4 11 13	4 8 59
	AUG.	2 23 57	3 0 57
	SEPT.	1 12 41	1 16 43
	OCT. ○	1 1 25	1 7 42
		15 19 47	15 7 9
		30 14 9	30 21 33
	NOV.	29 2 53	29 10 11
	DEC.	28 15 37	28 21 33
685. E.D. 23 5 3	JAN.	27 4 22	27 7 44
	FEB.	25 17 6	25 17 1
	MAR.	26 5 50	26 1 54
	○	10 0 12	10 12 29
	APRIL	24 18 34	24 11 13
	MAY	24 7 18	23 21 49
	JUNE	22 20 2	22 10 26
	JULY	22 8 46	22 1 15
	AUG.	20 21 30	20 17 52
	SEPT.	19 10 14	19 11 21
	○	4 4 36	3 19 8
	OCT.	18 22 58	19 4 44
	NOV.	17 11 42	17 20 55
	DEC.	17 0 26	17 11 13
684. C. 23 10 52	JAN.	15 13 11	15 23 23
	FEB.	14 1 55	14 9 30
	MAR.	15 14 39	15 13 2
	○	30 9 1	30 15 29
	APRIL	14 8 23	14 1 41
	MAY	13 16 7	13 9 22
	JUNE	12 4 51	11 18 9
	JULY	11 17 35	11 5 4
	AUG.	10 6 19	9 18 42
	SEPT.	8 19 3	8 11 5
	○	23 13 25	23 11 0
	OCT.	8 7 47	8 5 25
	NOV.	6 20 31	7 0 24
	DEC.	6 9 15	6 18 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 683.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 28 16 40	JAN.	4 21 59	5 10 30
	FEB.	3 10 43	3 23 48
	MAR.	4 23 27	5 10 21
	APRIL	3 12 11	3 18 44
	MAY	3 0 55	3 1 48
	JUNE	1 13 39	1 8 36
	JULY	1 2 23	30 16 14
		30 15 7	30 1 46
	AUG.	29 3 51	28 14 6
	SEPT.	27 16 35	27 5 31
	OCT.	27 5 19	26 23 36
	NOV.	25 18 3	25 19 5
	DEC.	25 6 47	25 14 19
682. A. 23 22 29	JAN.	23 19 32	24 7 45
	○	7 13 54	7 8 56
	FEB.	22 8 16	22 22 18
	MAR.	23 21 0	24 9 47
	APRIL	22 9 44	22 18 40
	MAY	21 22 28	22 1 53
	JUNE	20 11 12	20 8 33
	JULY	19 23 56	19 15 45
	○	3 18 18	3 21 49
	AUG.	18 12 40	18 0 33
	SEPT.	17 1 24	16 11 46
	OCT.	16 14 8	16 1 54
	NOV.	15 2 52	14 18 47
	DEC.	14 15 36	14 13 33
681. G.F. 28 4 18	JAN.	13 4 20	13 8 47
	○	27 22 42	27 23 18
	FEB.	11 17 4	12 2 52
	MAR.	12 5 48	12 18 33
	APRIL	10 18 32	11 7 20
	MAY	10 7 16	10 17 23
	JUNE	8 20 0	9 1 31
	JULY	8 8 44	8 8 46
	○	23 3 6	22 22 44
	AUG.	6 21 28	6 16 17
	SEPT.	5 10 12	5 0 58
	OCT.	4 22 56	4 11 30
	NOV.	3 11 40	3 0 22
	DEC.	3 0 24	2 15 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 680. E. March. *d. h. m.* 28 10 7	JAN. ○	1 13 9 16 7 31 31 1 53	1 8 37 16 15 25 31 2 38
	FEB. .	...	...
	MAR. .	1 14 37 31 3 21	1 20 22 31 12 41
	APRIL	29 16 5	30 2 48
	MAY .	29 4 49	29 14 31
	JUNE .	27 17 33	28 0 15
	○ JULY .	12 11 55 27 6 17	12 0 33 27 8 54
	AUG. .	25 19 1	25 17 24
	SEPT. .	24 7 45	24 2 33
	OCT. .	23 20 29	23 12 54
	NOV. .	22 9 13	22 0 43
	DEC. .	21 21 57	21 14 3
679. D. 28 15 56	JAN. .	20 10 42	20 4 51
	FEB. .	18 23 26	18 20 43
	MAR. .	20 12 10	20 13 8
	APRIL	19 0 54	19 5 16
	MAY .	18 13 38	18 20 21
	○ JUNE .	2 8 0 17 2 22	2 0 35 17 9 54
	JULY .	16 15 6	16 21 47
	AUG. .	15 3 50	15 8 28
	SEPT. .	13 16 34	13 18 35
	OCT. .	13 5 18	13 4 44
	NOV. . ○	11 18 2 26 12 24	11 15 18 26 16 39
	DEC. .	11 6 46	11 2 25
678. C. 28 21 45	JAN. .	9 19 30	9 14 5
	FEB. .	8 8 14	8 2 30
	MAR. .	9 20 58	9 15 48
	APRIL	8 9 42	8 6 5
	MAY . ○	7 22 26 22 16 48	7 21 10 22 17 23
	JUNE .	6 11 10	6 12 34
	JULY .	5 23 54	6 3 38
	AUG. .	4 12 38	4 17 51
	SEPT. .	3 1 22	3 7 1
	OCT. .	2 14 6	2 19 17
	NOV. ○	1 2 50 15 21 12 30 15 34	1 6 54 15 15 44 30 18 2
	DEC. .	30 4 18	30 4 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 677. B.A. March. *d. h. m.* 28 8 33	JAN. .	28 17 3	28 15 9
	FEB. .	27 5 47	27 1 29
	MAR. .	27 18 31	27 12 16
	APRIL	26 7 15	26 0 9
	○ MAY .	11 1 37 25 19 59	11 10 4 25 13 32
	JUNE .	24 8 43	24 4 25
	JULY .	23 21 27	23 20 20
	AUG. .	22 10 11	22 12 31
	SEPT. .	20 22 55	21 4 14
	OCT. .	20 11 39	20 18 58
	○ NOV. .	4 6 1 19 0 23	3 18 45 19 8 25
	DEC. .	18 13 7	18 20 26
676. G. 28 9 22	JAN. .	17 1 52	17 7 8
	FEB. .	15 14 36	15 16 38
	MAR. .	17 3 20	17 1 24
	APRIL	15 16 4	15 10 9
	MAY .	15 4 48	14 19 48
	JUNE .	13 17 32	13 7 15
	JULY .	13 6 16	12 20 58
	AUG. .	11 19 0	11 12 52
	SEPT. .	10 7 44	10 6 16
	OCT. .	9 20 28	10 0 5
	NOV. .	8 9 12	8 17 11
	DEC. .	7 21 56	8 8 36
675. F. 28 15 11	JAN. .	6 10 40	6 21 51
	FEB. .	4 23 24	5 8 52
	MAR. . ○	6 12 8 21 6 30	6 17 58 21 10 41
	APRIL	5 0 52	5 1 46
	MAY .	4 13 36	4 9 9
	JUNE .	3 2 20	2 17 8
	JULY .	2 15 4	2 2 50 31 15 5
	AUG. .	1 3 48 30 16 32	30 6 13
	○ SEPT. .	14 10 54 29 5 16	14 10 27 28 23 51
	OCT. .	28 18 0	28 18 50
	NOV. .	27 6 44	27 13 42
	DEC. .	26 19 28	27 6 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 674. E. March. *d. h. m.* 28 21 0	JAN. .	25 8 18	25 21 39
	FEB. .	28 20 57	24 9 25
	○	10 15 19	10 11 42
	MAR. .	25 9 41	25 18 40
	APRIL	23 22 25	24 2 10
	MAY .	23 11 9	23 8 53
	JUNE .	21 23 53	21 15 56
	JULY .	21 12 37	21 0 26
	AUG. .	20 1 21	19 11 21
	○	8 19 43	4 0 44
	SEPT. .	18 14 5	18 1 18
	OCT. .	18 2 49	17 18 13
	NOV. .	16 15 33	16 13 14
	DEC. .	16 4 17	16 8 50
673. D.C. 28 2 49	JAN. .	14 17 2	15 3 19
	FEB. .	18 5 46	13 19 18
	○	28 0 8	27 18 43
	MAR. .	13 18 30	14 8 12
	APRIL	12 7 14	12 18 14
	MAY .	11 19 58	12 2 7
	JUNE .	10 8 42	10 8 57
	JULY .	9 21 26	9 15 49
	AUG. .	8 10 10	7 23 48
	○	23 4 32	23 8 54
	SEPT. .	6 22 54	6 9 49
	OCT. .	6 11 38	5 22 33
	NOV. .	5 0 22	4 14 8
	DEC. .	4 13 6	4 8 4
672. B. 28 8 33	JAN. .	3 1 50	3 3 9
	FEB. .	1 14 34	1 21 50
	MAR. .	3 8 18	3 14 43
	APRIL	1 16 2	2 4 54
	MAY .	1 4 46	1 16 14
		30 17 30	31 1 15
	JUNE .	29 6 14	29 8 55
	JULY .	28 18 58	28 16 21
	AUG. .	27 7 42	27 0 30
	SEPT. .	25 20 26	25 10 11
	OCT. .	25 9 10	24 21 55
	NOV. .	23 21 54	23 11 55
	DEC. .	23 10 38	23 3 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 671. A. March. *d. h. m.* 28 14 26	○	7 5 1	7 14 23
	JAN. .	21 23 23	21 21 26
	FEB. .	20 12 7	20 15 15
	MAR. .	22 0 51	22 8 14
	APRIL	20 13 35	20 23 27
	MAY .	20 2 19	20 12 23
	JUNE .	18 15 3	18 23 9
	○	3 9 25	2 21 32
	JULY .	18 3 47	18 8 25
	AUG. .	16 16 31	16 17 6
	SEPT. .	15 5 15	15 2 3
	OCT. .	14 17 59	14 11 55
	NOV. .	13 6 43	12 23 2
	DEC. .	12 19 27	12 11 32
	○	27 13 50	28 1 54
670. G. 28 20 15	JAN. .	11 8 12	11 1 26
	FEB. .	9 20 56	9 16 30
	MAR. .	11 9 40	11 8 27
	APRIL	9 22 24	10 0 37
	MAY .	9 11 8	9 16 14
	JUNE .	7 23 52	8 6 41
	○	22 18 14	22 8 16
	JULY .	7 12 36	7 19 32
	AUG. .	6 1 20	6 7 1
	SEPT. .	4 14 4	4 17 37
	OCT. .	4 2 48	4 3 55
	NOV. .	2 15 32	2 14 25
	DEC. ○	2 4 16	2 1 16
		16 22 38	17 6 7
		31 17 0	31 12 32
669. F.E. 28 2 4	JAN. .	30 5 44	30 0 20
	FEB. .	28 18 28	28 12 51
	MAR. .	29 7 12	29 2 21
	APRIL	27 19 56	27 16 52
	MAY .	27 8 40	27 8 7
	○	11 3 2	11 0 25
	JUNE .	25 21 24	25 23 29
	JULY .	25 10 8	25 14 21
	AUG. .	23 22 52	24 4 20
	SEPT. .	22 11 36	22 17 20
	OCT. .	22 0 20	22 5 29
	NOV. .	20 13 4	20 16 58
	DEC. .	20 1 48	20 3 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 668.		d. h. m.	d. h. m.
D. March. d. h. m. 28 7 53	JAN. .	18 14 33	18 14 19
	FEB. .	17 3 17	17 0 23
	MAR. .	18 16 1	18 10 35
	APRIL	17 4 45	16 21 35
	○	1 23 7	2 9 32
	MAY .	16 17 29	16 9 59
	JUNE .	15 6 13	15 0 5
	JULY .	14 18 57	14 15 36
	AUG. .	13 7 41	13 7 57
	SEPT. .	11 20 25	12 0 15
	OCT. .	11 9 9	11 15 50
	○	26 3 31	25 15 33
	NOV. .	9 21 53	10 6 11
	DEC. .	9 10 37	9 19 0
667. C. 23 13 42	JAN. .	7 23 21	8 6 19
	FEB. .	6 12 5	6 16 14
	MAR. .	8 0 49	8 1 4
	APRIL	6 13 33	6 9 30
	○	21 7 55	21 19 25
	MAY .	6 2 17	5 18 23
	JUNE .	4 15 1	4 4 42
	JULY .	4 3 45	3 17 11
	AUG. .	2 16 29	2 8 6
	SEPT. .	1 5 13	1 1 1
		30 17 57	30 18 59
	○	15 12 19	15 3 45
	OCT. .	30 6 41	30 12 49
	NOV. .	28 19 25	29 5 22
	DEC. .	28 8 9	28 19 47
666. B. 23 19 30	JAN. .	26 20 54	27 7 51
	FEB. .	25 9 38	25 17 43
	MAR. .	26 22 22	27 1 54
	○	10 16 44	10 22 11
	APRIL	25 11 6	25 9 13
	MAY .	24 23 50	24 16 33
	JUNE .	23 12 34	23 1 18
	JULY .	23 1 18	22 12 10
	AUG. .	21 14 2	21 1 56
	SEPT. .	20 2 46	19 18 31
	○	4 21 8	4 19 36
	OCT. .	19 15 30	19 13 8
	NOV. .	18 4 14	18 8 26
	DEC. .	17 16 58	18 2 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 665.		d. h. m.	d. h. m.
A.G. March. d. h. m. 28 1 19	JAN. .	16 5 43	16 18 46
	FEB. .	14 18 27	15 7 55
	MAR. .	15 7 11	15 18 14
	APRIL	13 19 55	14 2 21
	MAY .	13 8 39	13 9 16
	JUNE .	11 21 23	11 16 1
	JULY .	11 10 7	10 23 40
	AUG. .	9 22 51	9 9 20
	SEPT. .	8 11 35	7 21 48
	OCT. .	8 0 19	7 13 22
	NOV. .	6 13 3	6 7 32
	DEC. .	6 1 47	6 3 4
664. F. 28 7 8	JAN. .	4 14 31	4 22 15
	FEB. .	3 3 15	3 15 32
	○	17 21 37	17 17 1
	MAR. .	4 15 59	5 5 56
	APRIL	3 4 43	3 17 16
	MAY .	2 17 27	3 2 4
	JUNE .	1 6 11	1 9 17
		30 18 55	30 16 4
	JULY .	30 7 39	29 23 28
	○	14 2 1	14 4 55
	AUG. .	28 20 23	28 8 30
	SEPT. .	27 9 7	26 19 55
	OCT. .	26 21 51	26 10 7
	NOV. .	25 10 35	25 2 56
	DEC. .	24 23 19	24 21 30
663. E. 28 12 57	JAN. .	23 12 4	23 16 27
	○	7 6 26	7 7 48
	FEB. .	22 0 48	22 10 14
	MAR. .	23 13 32	24 1 45
	APRIL	22 2 16	22 14 27
	MAY .	21 15 0	22 0 34
	JUNE .	20 3 44	20 8 53
	JULY .	19 16 28	19 16 27
	○	3 10 50	3 5 33
	AUG. .	18 5 12	18 0 18
	SEPT. .	16 17 56	16 9 18
	OCT. .	16 6 40	15 20 4
	NOV. .	14 19 24	14 8 56
	DEC. .	14 8 8	13 23 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 662. D. March. *d. h. m.* 28 18 45	JAN. .	12 20 53	12 16 33
	○	27 15 15	27 23 59
	FEB. .	11 9 37	11 10 5
	MAR. .	12 22 21	13 3 24
	APRIL	11 11 5	11 19 29
	MAY .	10 23 49	11 9 36
	JUNE .	9 12 33	9 21 30
	JULY .	9 1 17	9 7 36
	○	28 19 39	28 7 32
	AUG. .	7 14 1	7 16 40
	SEPT. .	6 2 45	6 1 38
	OCT. .	5 15 29	5 11 10
	NOV. .	4 4 13	3 21 43
	DEC. .	3 16 57	3 9 30
661. C.B. 28 0 34	JAN. .	2 5 41	1 22 32
		31 18 25	31 12 47
	FEB. .	...	...
	MAR. .	1 7 9	1 4 3
		30 19 53	30 19 56
	APRIL	29 8 37	29 11 48
	MAY .	28 21 21	29 2 54
	JUNE .	27 10 5	27 16 42
	JULY .	26 22 49	27 5 4
	AUG. .	25 11 33	25 16 18
	SEPT. .	24 0 17	24 2 57
	OCT. .	23 13 1	23 13 30
	NOV. .	22 1 45	22 0 15
	○	6 20 7	7 0 39
	DEC. .	21 14 29	21 11 15
660. A. 28 6 23	JAN. .	20 3 14	19 22 35
	FEB. .	18 15 58	18 10 26
	MAR. .	20 4 42	19 23 7
	APRIL	18 17 26	18 12 53
	MAY .	18 6 10	18 3 41
	○	2 0 32	2 0 50
	JUNE .	16 18 54	16 19 3
	JULY .	16 7 38	16 10 24
	AUG. .	14 20 22	15 1 7
	SEPT. .	13 9 6	13 14 55
	OCT. .	12 21 50	13 3 44
	NOV. .	11 10 34	11 15 44
	○	26 4 56	25 23 47
	DEC. .	10 23 18	11 3 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 659. G. March. *d. h. m.* 28 12 12	JAN. .	9 12 2	9 13 32
	FEB. .	8 0 47	7 23 34
	MAR. .	9 13 31	9 9 22
	APRIL	8 2 15	7 19 37
	MAY .	7 14 59	7 7 2
	○	22 9 21	22 17 21
	JUNE .	6 3 43	5 20 8
	JULY .	5 16 27	5 11 0
	AUG. .	4 5 11	4 3 9
	SEPT. .	2 17 55	2 19 50
	OCT. .	2 6 39	2 12 9
		31 19 23	1 3 24
	○	15 13 45	15 3 10
	NOV. .	30 8 7	30 17 10
	DEC. .	29 20 51	30 5 15
658. F. 28 18 1	JAN. .	28 9 35	28 15 43
	FEB. .	26 22 19	27 0 51
	MAR. .	28 11 3	28 9 11
	APRIL	26 23 47	26 17 30
	MAY .	26 12 31	26 2 50
	JUNE .	25 1 15	24 14 4
	JULY .	24 13 59	24 3 48
	AUG. .	23 2 43	22 19 53
	SEPT. .	21 15 27	21 13 41
	OCT. .	21 4 11	21 7 59
	NOV. .	19 16 55	20 1 28
	DEC. .	19 5 39	19 17 7
657. E.D. 27 23 50	JAN. .	17 18 24	18 6 22
	FEB. .	16 7 8	16 17 10
	MAR. .	16 19 52	17 1 57
	○	31 14 14	31 17 29
	APRIL	15 8 36	15 9 26
	MAY .	14 21 20	14 16 33
	JUNE .	13 10 4	13 0 22
	JULY .	12 22 48	12 10 1
	AUG. .	11 11 32	10 22 20
	SEPT. .	10 0 16	9 13 38
	○	24 18 38	24 18 55
	OCT. .	9 13 0	9 7 30
	NOV. .	8 1 44	8 2 48
	DEC. .	7 14 28	7 21 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 656. C. March. d. h. m. 28 5 38		d. h. m.	d. h. m.
	JAN. .	6 8 12	6 15 9
	FEB. .	4 15 56	5 5 43
	MAR. .	6 4 40	6 17 19
	○	20 23 2	20 18 50
	APRIL	4 17 24	5 2 21
	MAY .	4 6 8	4 9 40
	JUNE .	2 18 52	2 16 18
	JULY .	2 7 36	1 23 23
		31 20 20	31 7 58
	AUG. .	30 9 4	29 19 2
	○	14 8 26	14 8 46
	SEPT. .	28 21 48	28 9 9
	OCT. .	28 10 32	28 2 10
	NOV. .	26 23 16	26 21 12
	DEC. .	26 12 0	26 16 44
655. B. 28 11 27	JAN. .	25 0 45	25 11 5
	FEB. .	23 13 29	24 2 55
	○	10 7 51	10 2 26
	MAR. .	25 2 13	25 15 41
	APRIL	23 14 57	24 1 38
	MAY .	23 8 41	23 9 30
	JUNE .	21 16 25	21 16 25
	JULY .	21 5 9	20 23 30
	AUG. .	19 17 53	19 7 43
	○	8 12 15	8 16 20
	SEPT. .	18 6 37	17 17 58
	OCT. .	17 19 21	17 6 50
	NOV. .	16 8 5	15 22 23
	DEC. .	15 20 49	15 16 6
654. A. 28 17 16	JAN. .	14 9 34	14 10 58
	FEB. .	12 22 18	13 5 15
	MAR. .	14 11 2	14 21 54
	APRIL	12 23 46	13 11 59
	MAY .	12 13 30	12 23 21
	JUNE .	11 1 14	11 8 31
	JULY .	10 13 58	10 16 28
	AUG. .	9 2 42	9 0 14
	SEPT. .	7 15 26	7 8 45
	OCT. .	7 4 10	6 18 42
	NOV. .	5 16 54	5 6 33
	DEC. .	5 5 38	4 20 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 653. G.F. March. d. h. m. 27 23 5		d. h. m.	d. h. m.
	JAN. .	3 18 22	3 12 7
	○	18 12 44	18 22 57
	FEB. .	2 7 6	2 5 4
	MAR. .	2 19 50	2 22 23
	APRIL	1 8 34	1 15 8
		30 21 18	
	MAY .	30 10 2	1 6 10 / 30 19 12
	JUNE .	28 22 46	29 6 18
	○	13 17 8	13 4 32
	JULY .	28 11 30	28 15 59
	AUG. .	27 0 14	27 1 9
	SEPT. .	25 12 58	25 10 33
	OCT. .	25 1 42	24 20 41
	NOV. .	23 14 26	23 7 53
	DEC. .	23 3 10	22 20 11
652. E. 28 4 54	○	6 21 33	7 10 13
	JAN. .	21 15 55	21 9 36
	FEB. .	20 4 39	20 0 5
	MAR. .	21 17 23	21 15 26
	APRIL	20 6 7	20 7 15
	MAY .	19 18 51	19 22 45
	JUNE .	18 7 35	18 13 19
	○	3 1 57	2 15 37
	JULY .	17 20 19	18 2 36
	AUG. .	16 9 8	16 14 37
	SEPT. .	14 21 47	15 1 47
	OCT. .	14 10 31	14 12 34
	NOV. .	12 23 15	12 23 19
	DEC. .	12 11 59	12 10 12
	○	27 6 21	27 14 6
651. D. 28 10 43	JAN. .	11 0 44	10 21 13
	FEB. .	9 13 28	9 8 30
	MAR. .	11 2 12	10 20 26
	APRIL	9 14 56	9 9 20
	MAY .	9 3 40	8 23 27
	JUNE .	7 16 24	7 14 33
	○	22 10 46	22 7 54
	JULY .	7 5 8	7 6 2
	AUG. .	5 17 52	5 21 25
	SEPT. .	4 6 36	4 11 58
	OCT. .	3 19 20	4 1 34
	NOV. .	2 8 4	2 14 12
	DEC. .	1 20 48	2 1 55
		31 9 32	31 12 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 650. C. March. d. h. m. 28 16 31	JAN.	29 22 16	29 22 52
	FEB.	28 11 0	28 8 27
	MAR.	29 23 44	29 18 7
	APRIL	28 12 28	28 4 38
	○	13 6 50	13 16 46
	MAY	28 1 12	27 16 42
	JUNE	26 18 56	26 6 39
	JULY	26 2 40	25 22 18
	AUG.	24 15 24	24 15 2
	SEPT.	23 4 8	23 7 55
	OCT.	22 16 52	23 0 8
	○	6 11 14	6 0 8
	NOV.	21 5 36	21 14 47
	DEC.	20 18 20	21 8 47
649. B.A. 27 22 20	JAN.	19 7 5	19 15 0
	FEB.	17 19 49	18 0 35
	MAR.	18 8 33	18 9 1
	APRIL	16 21 17	16 17 1
	○	1 15 39	2 2 18
	MAY	16 10 1	16 1 34
	JUNE	14 22 45	14 11 39
	JULY	14 11 29	14 0 4
	AUG.	13 0 13	12 15 5
	SEPT.	11 12 57	11 8 19
	OCT.	11 1 41	11 2 44
	○	25 20 3	25 12 30
	NOV.	9 14 25	9 20 59
	DEC.	9 3 9	9 13 47
648. G. 28 4 9	JAN.	7 15 54	8 4 18
	FEB.	6 4 38	6 16 13
	MAR.	7 17 22	8 1 48
	APRIL	6 6 6	6 9 39
	○	21 0 28	21 4 50
	MAY	5 18 50	5 16 42
	JUNE	4 7 34	3 23 57
	JULY	3 20 18	3 8 32
	AUG.	2 9 2	1 19 27
		31 21 46	31 9 21
	SEPT.	30 10 30	30 2 9
	○	15 4 52	15 4 19
	OCT.	29 23 14	29 21 0
	NOV.	28 11 58	28 16 27
	DEC.	28 0 42	28 10 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 647. F. March. d. h. m. 28 9 58	JAN.	26 13 26	27 2 50
	FEB.	25 2 10	25 15 50
	MAR.	26 14 54	27 1 57
	APRIL	25 3 33	25 9 55
	MAY	24 16 22	24 16 44
	JUNE	23 5 6	22 23 28
	JULY	22 17 50	22 7 13
	AUG.	21 6 34	20 17 2
	SEPT.	19 19 18	19 5 40
	OCT.	19 8 2	18 21 21
	NOV.	17 20 46	17 15 32
	DEC.	17 9 30	17 10 59
646. E. 28 15 47	JAN.	15 22 15	16 6 2
	FEB.	14 10 59	14 23 10
	○	1 5 21	1 0 59
	MAR.	15 23 43	16 13 26
	APRIL	14 12 27	15 0 38
	MAY	14 1 11	14 9 26
	JUNE	12 13 55	12 16 44
	JULY	12 2 39	11 23 41
	AUG.	10 15 23	10 7 20
	○	25 9 45	25 12 8
	SEPT.	9 4 7	8 16 37
	OCT.	8 16 51	8 4 13
	NOV.	7 5 35	6 18 23
	DEC.	6 18 19	6 11 8
645. D.C. 27 21 36	JAN.	5 7 4	5 5 23
	FEB.	3 19 48	3 23 57
	○	18 14 10	18 16 8
	MAR.	4 8 32	4 17 27
	APRIL	2 21 16	3 8 48
	MAY	2 10 0	2 21 28
		31 22 44	1 7 43
	JUNE	30 11 28	30 16 17
	JULY	30 0 12	30 0 12
	○	18 18 34	18 12 28
	AUG.	28 12 56	28 8 26
	SEPT.	27 1 40	26 17 45
	OCT.	26 14 24	26 4 44
	NOV.	25 3 8	24 17 33
	DEC.	24 15 52	24 8 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 644. B. March. d. h. m. 28 8 24	JAN.	23 4 36	23 0 24
	○ FEB.	6 22 58	7 8 24
		21 17 20	21 17 28
	MAR.	28 6 4	28 10 19
	APRIL	21 18 48	22 2 10
	MAY	21 7 32	21 16 18
	JUNE	19 20 16	20 4 28
	JULY	19 9 0	19 14 58
	○ AUG.	8 8 22	2 14 37
		17 21 44	18 0 33
	SEPT.	16 10 28	16 9 58
	OCT.	15 23 12	15 19 53
	NOV.	14 11 56	14 6 36
	DEC.	14 0 40	13 18 17
643. A. 28 9 18	JAN.	12 13 23	12 6 55
	FEB.	11 2 8	10 20 38
	MAR.	12 14 53	12 11 18
	APRIL	11 3 37	11 2 42
	MAY	10 16 21	10 18 18
	JUNE	9 5 5	9 9 27
	JULY	8 17 49	8 23 34
	AUG.	7 6 33	7 12 26
	SEPT.	5 19 17	6 0 17
	OCT.	5 8 1	5 11 27
	NOV.	3 20 45	3 22 24
	DEC.	3 9 29	3 9 15
	○	18 3 51	18 8 37
642. G. 28 15 2	JAN.	1 22 13	1 20 4
		31 10 57	31 6 59
	FEB.	...	...
	MAR.	1 23 41	1 18 14
		31 12 25	31 6 20
	APRIL	30 1 9	29 19 36
	MAY	29 13 53	29 10 8
	○ JUNE	13 8 15	13 8 17
		28 2 37	28 1 32
	JULY	27 15 21	27 17 12
	AUG.	26 4 5	26 8 29
	SEPT.	24 16 49	24 22 54
	OCT.	24 5 33	24 12 16
	NOV.	22 18 17	23 0 35
	○ DEC.	7 12 39	7 7 50
		22 7 1	22 11 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 641. F.E. March. d. h. m. 27 20 51	JAN.	20 19 46	20 22 15
	FEB.	19 8 30	19 7 49
	MAR.	19 21 14	19 17 6
	APRIL	18 9 58	18 2 51
	MAY	17 22 42	17 13 51
	○ JUNE	1 17 4	2 0 37
		16 11 26	16 2 45
	JULY	16 0 10	15 17 38
	AUG.	14 12 54	14 10 5
	SEPT.	13 1 38	13 3 16
	OCT.	12 14 22	12 20 8
	NOV.	11 3 6	11 11 52
	○	25 21 28	25 11 38
	DEC.	10 15 50	11 1 53
640. D. 28 2 40	JAN.	9 4 35	9 13 58
	FEB.	7 17 19	8 0 11
	MAR.	9 6 3	9 8 55
	APRIL	7 18 47	7 16 50
	MAY	7 7 31	7 0 49
	JUNE	5 20 15	5 9 53
	JULY	5 8 59	4 21 0
	AUG.	3 21 43	3 10 46
	SEPT.	2 10 27	2 3 7
	OCT.	1 23 11	1 21 16
		31 11 55	31 15 57
	NOV.	30 0 39	30 9 46
	DEC.	29 13 23	30 1 34
639. C. 28 8 29	JAN.	28 2 7	28 14 44
	FEB.	26 14 51	27 1 18
	MAR.	28 3 35	28 9 47
	○ APRIL	11 21 57	12 0 11
		26 16 19	26 16 59
	MAY	26 5 3	25 23 55
	JUNE	24 17 47	24 7 39
	JULY	24 6 31	23 17 19
	AUG.	22 19 15	22 5 43
	SEPT.	21 7 59	20 21 13
	○ OCT.	6 2 21	6 3 29
		20 20 43	20 15 17
	NOV.	19 9 27	19 10 43
	DEC.	18 22 11	19 5 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 638. B. March. d. h. m. 28 14 17	JAN.	17 10 56	17 23 12
	FEB.	15 23 40	16 13 39
	MAR.	17 12 24	18 1 5
	○	1 6 46	1 1 54
	APRIL	16 1 8	16 9 56
	MAY	15 13 52	15 17 8
	JUNE	14 2 36	13 23 46
	JULY	13 15 20	13 6 55
	AUG.	12 4 4	11 15 41
	SEPT.	10 16 48	10 2 55
	○	25 11 10	25 16 56
	OCT.	10 5 32	9 17 9
	NOV.	8 18 16	8 10 14
	DEC.	8 7 0	8 5 11
637. A.G. 27 20 6	JAN.	6 19 45	7 0 35
	FEB.	5 8 29	5 18 44
	MAR.	5 21 13	6 10 24
	○	20 15 35	20 10 4
	APRIL	4 9 57	4 23 8
	MAY	3 22 41	4 8 57
	JUNE	2 11 25	2 16 52
	JULY	2 0 9	1 23 58
		31 12 53	31 7 16
	AUG.	30 1 37	29 15 46
	○	18 19 59	18 23 56
	SEPT.	28 14 21	28 2 17
	OCT.	28 3 5	27 15 15
	NOV.	26 15 49	26 6 41
	DEC.	26 4 33	26 0 8
636. F. 28 1 55	JAN.	24 17 17	24 18 30
	FEB.	23 6 1	23 12 32
	MAR.	24 18 45	25 4 56
	APRIL	23 7 29	23 18 55
	MAY	22 20 13	23 6 22
	JUNE	21 8 57	21 15 47
	JULY	20 21 41	21 0 4
	AUG.	19 10 25	19 8 13
	SEPT.	17 23 9	17 17 7
	OCT.	17 11 53	17 3 21
	NOV.	16 0 37	15 15 16
	DEC.	15 13 21	15 4 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 635. E. March. d. h. m. 28 7 44	JAN.	14 2 5	13 20 11
	○	23 20 27	29 7 25
	FEB.	12 14 50	12 12 36
	MAR.	14 3 34	14 5 25
	APRIL	12 16 18	12 21 46
	MAY	12 5 2	12 12 47
	JUNE	10 17 46	11 2 2
	JULY	10 6 30	10 13 30
	○	25 0 52	24 11 41
	AUG.	8 19 14	8 23 40
	SEPT.	7 7 58	7 9 21
	OCT.	6 20 42	6 19 10
	NOV.	5 9 26	5 5 35
	DEC.	4 22 10	4 16 47
634. D. 28 13 33	JAN.	3 10 55	3 4 48
	○	18 5 17	18 18 26
	FEB.	1 23 39	1 17 42
	MAR.	3 12 23	3 7 34
	APRIL	2 1 7	1 22 22
	MAY	1 13 51	1 13 47
		31 2 35	31 5 12
	JUNE	29 15 19	29 20 0
	○	14 9 41	13 23 5
	JULY	29 4 3	29 9 44
	AUG.	27 16 47	27 22 21
	SEPT.	26 5 31	26 10 6
	OCT.	25 18 15	25 21 20
	NOV.	24 6 59	24 8 19
	DEC.	23 19 43	23 19 7
633. C.B. 27 19 22	○	7 14 5	7 22 0
	JAN.	22 8 27	22 5 47
	FEB.	20 21 11	20 16 33
	MAR.	21 9 55	21 3 52
	APRIL	19 22 39	19 16 15
	MAY	19 11 23	19 5 59
	JUNE	18 0 7	17 20 59
	○	2 18 29	2 15 26
	JULY	17 12 51	17 12 44
	AUG.	16 1 35	16 4 31
	SEPT.	14 14 19	14 19 42
	OCT.	14 3 3	14 9 54
	NOV.	12 15 47	12 22 57
	DEC.	12 4 31	12 10 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 632.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 28 1 10	JAN.	10 17 16	10 21 34
	FEB.	9 6 0	9 7 18
	MAR.	10 18 44	10 16 26
	APRIL	9 7 28	9 1 35
	MAY	8 20 12	8 11 39
	○	23 14 34	23 23 58
	JUNE	7 8 56	6 23 25
	JULY	6 21 40	6 13 17
	AUG.	5 10 24	5 5 10
	SEPT.	3 23 8	3 22 18
	OCT.	3 11 52	3 15 42
	NOV.	2 0 36	2 8 20
	○	16 18 58	16 8 37
	DEC.	1 13 20	1 23 24
		31 2 4	31 12 30
631. G. 28 6 59	JAN.	29 14 49	29 23 33
	FEB.	28 3 33	28 8 47
	MAR.	29 16 17	29 16 51
	APRIL	28 5 1	28 0 29
	○	12 23 23	13 9 4
	MAY	27 17 45	27 8 44
	JUNE	26 6 29	25 18 40
	JULY	25 19 13	25 7 4
	AUG.	24 7 57	23 22 15
	SEPT.	22 20 41	22 15 47
	OCT.	22 9 25	22 10 33
	○	6 3 47	5 21 21
	NOV.	20 22 9	21 5 8
	DEC.	20 10 53	20 22 8
630. F. 28 12 48	JAN.	18 23 37	19 12 38
	FEB.	17 12 21	18 0 23
	MAR.	19 1 5	19 9 42
	APRIL	17 13 49	17 17 18
	○	2 8 11	2 11 21
	MAY	17 2 33	17 0 9
	JUNE	15 15 17	15 7 17
	JULY	15 4 1	14 15 52
	AUG.	13 16 45	13 2 52
	SEPT.	12 5 29	11 16 54
	OCT.	11 18 13	11 9 53
	○	26 12 35	26 13 7
	NOV.	10 6 57	10 4 54
	DEC.	9 19 41	10 0 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 629.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 27 18 37	JAN.	8 8 26	8 18 51
	FEB.	6 21 10	7 10 46
	MAR.	7 9 54	7 23 36
	APRIL	5 22 38	6 9 34
	MAY	5 11 22	5 17 25
	JUNE	4 0 6	4 0 11
	JULY	3 12 50	3 6 59
	AUG.	2 1 34	1 14 54
		31 14 18	31 0 55
	SEPT.	30 3 2	29 13 41
	OCT.	29 15 46	29 5 26
	NOV.	28 4 30	27 23 31
	DEC.	27 17 14	27 18 52
628. C. 28 0 26	JAN.	26 5 59	26 13 44
	FEB.	24 18 43	25 6 39
	○	11 13 5	11 8 50
	MAR.	26 7 27	26 20 45
	APRIL	24 20 11	25 7 55
	MAY	24 8 55	24 16 44
	JUNE	23 21 39	23 0 12
	JULY	22 10 23	22 7 23
	AUG.	20 23 7	20 15 20
	○	4 17 29	4 19 30
	SEPT.	19 11 51	19 0 54
	OCT.	19 0 35	18 12 41
	NOV.	17 13 19	17 2 53
	DEC.	17 2 3	16 19 18
627. B. 28 6 15	JAN.	15 14 47	15 13 11
	FEB.	14 3 31	14 7 20
	○	28 21 53	1 0 18
			16 0 31
	MAR.	15 16 15	
	APRIL	14 4 59	14 15 41
	MAY	13 17 43	14 4 25
	JUNE	12 6 27	12 14 51
	JULY	11 19 11	11 23 44
	AUG.	10 7 55	10 8 2
	○	25 2 17	24 19 34
	SEPT.	8 20 39	8 16 42
	OCT.	8 9 23	8 2 21
	NOV.	6 22 7	6 13 29
	DEC.	6 10 51	6 2 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 626. A. March. *d. h. m.* 28 12 8	JAN.	4 23 36	4 16 32
	FEB.	3 12 20	3 8 10
	○	18 6 42	18 16 41
	MAR.	5 1 4	5 0 36
	APRIL	3 18 48	3 17 5
	MAY	3 2 32	3 8 46
	JUNE	1 15 16	1 22 59
	JULY	1 4 0	1 11 28
		30 16 44	30 22 27
	○	14 11 6	13 21 54
	AUG.	29 5 28	29 8 32
	SEPT.	27 18 12	27 18 28
	OCT.	27 6 56	27 4 43
	NOV.	25 19 40	25 15 33
	DEC.	25 8 21	25 3 3
625. G.F. 27 17 52	JAN.	23 21 8	23 15 17
	FEB.	22 9 52	22 4 21
	MAR.	22 22 36	22 18 24
	APRIL	21 11 20	21 9 19
	MAY	21 0 4	21 0 43
	JUNE	19 12 48	19 15 58
	JULY	19 1 32	19 6 28
	AUG.	17 14 16	17 19 54
	SEPT.	16 3 0	16 8 21
	OCT.	15 15 44	15 20 3
	NOV.	14 4 28	14 7 18
	DEC.	13 17 12	13 18 12
	○	28 11 31	28 16 31
624. E. 27 23 41	JAN.	12 5 57	12 4 48
	FEB.	10 18 41	10 15 15
	MAR.	12 7 25	12 1 57
	APRIL	10 20 9	10 13 28
	MAY	10 8 53	10 2 17
	JUNE	8 21 37	8 16 36
	○	23 15 59	23 15 47
	JULY	8 10 21	8 8 7
	AUG.	6 23 5	7 0 9
	SEPT.	5 11 49	5 15 59
	OCT.	5 0 33	5 7 1
	NOV.	3 13 17	3 20 53
	DEC.	3 2 1	3 9 28
	○	17 20 23	17 15 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 623. D. March. *d. h. m.* 28 5 30	JAN.	1 14 45	1 20 44
		31 3 30	31 6 49
	FEB.	...	...
	MAR.	1 16 14	1 15 58
		31 4 58	31 0 46
	APRIL	29 17 42	29 10 8
	MAY	29 6 26	28 20 43
	○	18 0 48	18 7 54
	JUNE	27 19 10	27 9 26
	JULY	27 7 54	27 0 26
	AUG.	25 20 38	25 17 10
	SEPT.	24 9 22	24 10 49
	OCT.	23 22 6	24 4 12
	NOV.	22 10 50	22 20 21
	○	7 5 12	6 20 8
	DEC.	21 23 34	22 10 38
622. C. 23 11 19	JAN.	20 12 18	20 22 32
	FEB.	19 1 2	19 8 30
	MAR.	20 13 46	20 16 58
	APRIL	19 2 30	19 0 25
	MAY	18 15 14	18 8 6
	JUNE	17 3 58	16 16 58
	JULY	16 16 42	16 4 2
	AUG.	15 5 26	14 17 53
	SEPT.	13 18 10	13 10 27
	OCT.	13 6 54	13 4 56
	NOV.	11 19 38	11 23 57
	DEC.	11 8 22	11 18 1
621. B.A. 27 17 8	JAN.	9 21 7	10 9 58
	FEB.	8 9 51	8 22 57
	MAR.	8 22 35	9 9 18
	APRIL	7 11 19	7 17 31
	○	22 5 41	22 6 47
	MAY	7 0 3	7 0 30
	JUNE	5 12 47	5 7 19
	JULY	5 1 31	4 15 1
	AUG.	3 14 15	3 0 45
	SEPT.	2 2 59	1 13 18
	OCT. ○	1 15 43	1 4 56
		16 10 5	16 12 10
		31 4 27	30 23 10
	NOV.	29 17 11	29 18 42
	DEC.	29 5 55	29 13 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 620. G. March. *d. h. m.* 27 22 56	JAN. .	27 18 40	28 7 8
	FEB. .	26 7 24	26 21 27
	MAR. .	27 20 8	28 8 42
	○	11 14 30	11 8 52
	APRIL	26 8 52	26 17 26
	MAY .	25 21 36	26 0 35
	JUNE .	24 10 20	24 7 15
	JULY .	23 23 4	23 14 34
	AUG. .	22 11 48	21 23 31
	SEPT. .	21 0 32	20 10 58
	○	5 18 54	6 1 12
	OCT. .	20 13 16	20 1 18
	NOV. .	19 2 0	18 18 20
	DEC. .	18 14 44	18 13 10
619. F. 28 4 45	JAN. .	17 3 28	17 8 19
	FEB. .	15 16 12	16 2 13
	MAR. .	17 4 56	17 17 42
	○	31 23 18	31 17 44
	APRIL	15 17 40	16 6 16
	MAY .	15 6 24	15 16 10
	JUNE .	13 19 8	14 0 14
	JULY .	13 7 52	13 7 32
	AUG. .	11 20 36	11 15 10
	SEPT. .	10 9 20	10 0 0
	○	25 3 42	25 7 37
	OCT. .	9 22 4	9 10 44
	NOV. .	8 10 48	7 23 44
	DEC. .	7 23 32	7 15 0
618. E. 28 10 34	JAN. .	6 12 17	6 8 7
	FEB. .	5 1 1	5 2 3
	MAR. .	6 13 45	6 19 40
	APRIL	5 2 29	5 11 50
	MAY .	4 15 13	5 1 46
	JUNE .	3 3 57	3 13 23
	JULY .	2 16 41	2 23 6
	AUG. .	1 5 25	1 7 46
		30 18 9	30 16 22
	SEPT. .	29 6 53	29 1 40
	OCT. .	28 19 37	28 12 7
	NOV. .	27 8 21	27 0 2
	DEC. .	26 21 5	26 13 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 617. D.C. March. *d. h. m.* 27 16 23	JAN. .	25 9 50	25 4 12
	○	9 4 12	9 15 46
	FEB. .	23 22 34	23 20 1
	MAR. .	24 11 18	24 12 19
	APRIL	23 0 2	23 4 22
	MAY .	22 12 46	22 19 23
	JUNE .	21 1 30	21 8 52
	JULY .	20 14 14	20 20 45
	○	4 8 36	3 18 59
	AUG. .	19 2 58	19 7 28
	SEPT. .	17 15 42	17 17 40
	OCT. .	17 4 26	17 3 55
	NOV. .	15 17 10	15 14 33
	DEC. .	15 5 54	15 1 39
616. B. 27 22 12	JAN. .	13 18 33	13 18 19
	○	28 13 0	29 2 29
	FEB. .	12 7 22	12 1 41
	MAR. .	13 20 6	13 14 55
	APRIL	12 3 50	12 5 10
	MAY .	11 21 31	11 20 15
	JUNE .	10 10 18	10 11 39
	JULY .	9 23 2	10 2 43
	○	24 17 24	24 6 38
	AUG. .	8 11 46	8 16 57
	SEPT. .	7 0 30	7 6 10
	OCT. .	6 13 14	6 18 30
	NOV. .	5 1 58	5 6 9
	DEC. .	4 14 42	4 17 16
615. A. 28 4 0	JAN. .	3 3 27	3 3 57
	○	17 21 49	18 5 48
	FEB. .	1 16 11	1 14 15
	MAR. .	3 4 55	3 0 29
	APRIL	1 17 39	1 11 14
			30 23 8
	MAY .	1 6 23	
		30 19 7	30 12 32
	JUNE .	29 7 51	29 3 31
	○	14 2 13	13 23 4
	JULY .	28 20 35	28 19 31
	AUG. .	27 9 19	27 11 48
	SEPT. .	25 22 3	26 3 34
	OCT. .	25 10 47	25 18 19
	NOV. .	23 23 31	24 7 44
	DEC. .	23 12 15	23 19 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 614. G. March. d. h. m. 28 9 49		d. h. m.	d. h. m.
	JAN. .	22 1 0	22 6 16
	FEB. .	20 18 44	20 15 37
	MAR. .	22 2 28	22 0 16
	APRIL	20 15 12	20 8 59
	MAY .	20 3 56	19 18 40
	JUNE .	18 16 40	18 6 12
	JULY .	18 5 24	17 20 3
	AUG. .	16 18 8	16 12 7
	SEPT. .	15 6 52	15 5 39
	OCT. .	14 19 36	14 23 34
	NOV. .	13 8 20	13 16 39
	○	28 2 42	27 17 15
	DEC. .	12 21 4	13 8 0
613. F.E. 27 15 33	JAN. .	11 9 48	11 21 6
	FEB. .	9 22 32	10 7 56
	MAR. .	10 11 16	10 16 52
	APRIL	9 0 0	9 0 33
	MAY .	8 12 44	8 7 53
	○	28 7 6	23 15 47
	JUNE .	7 1 28	6 15 55
	JULY .	6 14 12	6 1 44
	AUG. .	5 2 56	4 14 11
	SEPT. .	3 15 40	3 5 32
	OCT. .	3 4 24	2 23 20
	NOV. .	1 17 8	1 18 26
	○	16 11 30	16 6 15
	DEC. .	1 5 52	1 13 17
		30 18 36	31 6 24
612. D. 27 21 27	JAN. .	29 7 21	29 20 52
	FEB. .	27 20 5	28 8 26
	MAR. .	29 8 49	29 17 30
	APRIL	27 21 33	28 0 58
	○	12 15 55	12 17 50
	MAY .	27 10 17	27 7 34
	JUNE .	25 23 1	25 14 41
	JULY .	25 11 45	24 23 20
	AUG. .	24 0 29	23 10 27
	SEPT. .	22 13 13	22 0 38
	OCT. .	22 1 57	21 17 45
	○	5 20 19	5 22 1
	NOV. .	20 14 41	20 12 52
	DEC. .	20 3 25	20 8 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 611. C. March. d. h. m. 28 3 16		d. h. m.	d. h. m.
	JAN. .	18 16 9	19 2 45
	FEB. .	17 4 53	17 18 31
	MAR. .	18 17 37	19 7 13
	APRIL	17 6 21	17 17 3
	MAY .	16 19 5	17 0 49
	JUNE .	15 7 49	15 7 37
	JULY .	14 20 33	14 14 33
	AUG. .	13 9 17	12 22 42
	SEPT. .	11 22 1	11 8 56
	OCT. .	11 10 45	10 21 52
	NOV. .	9 23 29	9 13 37
	DEC. .	9 12 13	9 7 37
610. B. 23 9 5	JAN. .	8 0 58	8 2 42
	FEB. .	6 13 42	6 21 15
	MAR. .	8 2 26	8 13 56
	○	22 20 48	22 16 31
	APRIL	6 15 10	7 3 55
	MAY .	6 3 54	6 15 5
	JUNE .	4 16 38	5 0 0
	JULY .	4 5 22	4 7 41
	AUG. .	2 18 6	2 15 10
			31 23 28
	SEPT. ○	1 6 50	
		16 1 12	16 2 57
		30 19 34	30 9 20
	OCT. .	30 8 18	29 21 13
	NOV. .	28 21 2	28 11 21
	DEC. .	28 9 46	28 3 28
609. A.G. 27 14 53	JAN. .	26 22 31	26 20 53
	FEB. .	25 11 15	25 14 35
	○	11 5 37	11 8 23
	MAR. .	25 23 59	26 7 25
	APRIL	24 12 43	24 22 29
	MAY .	24 1 27	24 11 18
	JUNE .	22 14 11	22 22 0
	JULY .	22 2 55	22 7 16
	AUG. .	20 15 39	20 16 2
	○	4 10 1	4 2 47
	SEPT. .	19 4 23	19 1 7
	OCT. .	18 17 7	18 11 6
	NOV. .	17 5 51	16 22 18
	DEC. .	16 18 35	16 10 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 608. F. March. d. h. m. 27 20 42	JAN. .	15 7 19	15 0 45
	FEB. .	13 20 8	13 15 47
	○	28 14 25	1 0 47
	MAR. .	15 8 47	15 7 39
	APRIL	13 21 31	13 23 44
	MAY .	13 10 15	13 15 18
	JUNE .	11 22 59	12 5 39
	JULY .	11 11 43	11 18 30
	AUG. .	10 0 27	10 6 0
	○	24 18 49	24 5 19
	SEPT. .	8 13 11	8 16 39
	OCT. .	8 1 55	8 3 4
	NOV. .	6 14 39	6 13 37
	DEC. .	6 3 23	6 0 30
607. E. 28 2 31	JAN. .	4 16 8	4 11 46
	FEB. .	3 4 52	2 23 30
	MAR. .	4 17 36	4 11 58
	APRIL	3 6 20	3 1 26
	MAY .	2 19 4	2 15 55
	JUNE .	1 7 48	1 7 10
		30 20 32	30 22 34
	JULY .	30 9 16	30 13 23
	AUG. .	28 22 0	29 3 30
	SEPT. .	27 10 44	27 16 32
	OCT. .	26 23 28	27 4 45
	NOV. .	25 12 12	25 16 15
	DEC. .	25 0 56	25 3 7
606. D. 28 8 20	○	8 19 18	9 0 21
	JAN. .	23 13 41	23 13 26
	FEB. .	22 2 25	21 23 25
	MAR. .	23 15 9	23 9 33
	APRIL	22 3 53	21 20 32
	MAY .	21 16 37	21 8 58
	JUNE .	20 5 21	19 23 9
	○	4 23 43	4 23 19
	JULY .	19 18 5	19 14 47
	AUG. .	18 6 49	18 7 11
	SEPT. .	16 19 33	16 23 33
	OCT. .	16 8 17	16 15 12
	NOV. .	14 21 1	15 5 31
	DEC. .	14 9 45	14 18 18
	○	29 4 7	28 23 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 605. C.B. March. d. h. m. 27 14 9	JAN. .	12 22 29	13 5 30
	FEB. .	11 11 13	11 15 15
	MAR. .	11 23 57	11 23 58
	APRIL	10 12 41	10 8 20
	MAY .	10 1 25	9 17 12
	JUNE .	8 14 9	8 3 36
	○	23 8 31	23 15 11
	JULY .	8 2 53	7 16 13
	AUG. .	6 15 37	6 7 17
	SEPT. .	5 4 21	5 0 22
	OCT. .	4 17 5	4 18 28
	NOV. .	3 5 49	3 12 21
	DEC. .	2 18 33	3 4 48
	○	17 12 55	17 4 37
604. A. 27 19 58	JAN. .	1 7 18	1 19 7
		30 20 2	31 7 0
	FEB. .	...	...
	MAR. .	1 8 46	1 16 40
		30 21 30	31 0 43
	APRIL	29 10 14	29 7 58
	MAY .	28 22 58	28 15 23
	JUNE .	27 11 42	27 0 8
	JULY .	27 0 26	26 11 12
	AUG. .	25 13 10	25 1 9
	SEPT. .	24 1 54	23 17 57
	OCT. .	23 14 38	23 12 43
	NOV. .	22 3 22	22 8 2
	DEC. .	21 16 6	22 2 13
603. G. 28 1 46	JAN. .	20 4 51	20 18 5
	FEB. .	18 17 35	19 7 1
	MAR. .	20 6 19	20 17 8
	APRIL	18 19 3	19 1 9
	MAY .	18 7 47	18 7 59
	JUNE .	16 20 31	16 14 43
	JULY .	16 9 15	15 22 30
	AUG. .	14 21 59	14 8 20
	SEPT. .	13 10 43	12 21 2
	OCT. .	12 23 27	12 12 49
	○	27 17 49	27 20 57
	NOV. .	11 12 11	11 7 9
	DEC. .	11 0 55	11 2 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 602. F. March. d. h. m. 28 7 35	JAN.	9 13 39	9 21 46
	FEB.	8 2 28	8 14 52
	MAR.	9 15 7	10 5 2
	APRIL	8 8 51	8 16 10
	○	22 22 13	22 15 45
	MAY	7 16 35	8 0 49
	JUNE	6 5 19	6 7 59
	JULY	5 18 8	5 14 47
	AUG.	4 6 47	8 22 20
	SEPT.	2 19 31	2 7 32
	OCT. ○	2 8 15	1 19 9
		17 2 37	17 9 34
		31 20 59	31 9 33
	NOV.	30 9 48	30 2 29
	DEC.	29 22 27	29 21 4
601. E.D. 27 13 24	JAN.	28 11 11	28 15 54
	FEB.	26 23 56	27 9 33
	MAR.	27 12 40	28 0 50
	○	11 7 2	11 1 1
	APRIL	26 1 24	26 18 22
	MAY	25 14 8	25 23 21
	JUNE	24 2 52	24 7 38
	JULY	23 15 36	23 15 15
	AUG.	22 4 20	21 23 13
	SEPT.	20 17 4	20 8 22
	○	5 11 26	5 15 24
	OCT.	20 5 48	19 19 19
	NOV.	18 18 32	18 8 19
	DEC.	18 7 16	17 23 21
600. C. 27 19 13	JAN.	16 20 0	16 15 59
	FEB.	15 8 44	15 9 26
	MAR.	16 21 28	17 2 38
	APRIL	15 10 12	15 18 34
	MAY	14 22 56	15 8 33
	JUNE	13 11 40	13 20 22
	JULY	13 0 24	13 6 27
	AUG.	11 13 8	11 15 34
	SEPT.	10 1 52	10 0 38
	OCT.	9 14 36	9 10 18
	NOV.	8 3 20	7 20 57
	DEC.	7 16 4	7 8 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 599. B. March. d. h. m. 28 1 2	JAN.	6 4 49	5 21 51
	FEB.	4 17 33	4 12 4
	○	19 11 55	19 23 58
	MAR.	6 6 17	6 3 17
	APRIL	4 19 1	4 19 6
	MAY	4 7 45	4 10 52
	JUNE	2 20 29	3 1 56
	JULY	2 9 13	2 15 41
		31 21 57	
	○	1 4 4	
		15 16 19	15 2 25
		30 10 41	30 15 22
	AUG.		
	SEPT.	28 23 25	29 2 6
	OCT.	28 12 9	28 12 43
	NOV.	27 0 58	26 23 30
	DEC.	26 13 37	26 10 29
598. A. 28 6 50	JAN.	25 2 22	24 21 46
	○	8 20 44	9 10 24
	FEB.	23 15 6	23 9 33
	MAR.	25 3 50	24 22 11
	APRIL	23 16 34	23 11 55
	MAY	23 5 18	23 2 43
	JUNE	21 18 2	21 18 8
	JULY	21 6 46	21 9 31
	○	5 1 8	4 14 20
	AUG.	19 19 30	20 0 17
	SEPT.	18 8 14	18 14 8
	OCT.	17 20 58	18 3 0
	NOV.	16 9 42	16 15 1
	DEC.	15 22 26	16 2 14
597. G.F. 27 12 39	JAN.	14 11 10	14 12 42
	○	29 5 32	29 13 26
	FEB.	12 23 54	12 22 36
	MAR.	13 12 38	13 8 19
	APRIL	12 1 22	11 18 30
	MAY	11 14 6	11 5 56
	JUNE	10 2 50	9 19 8
	JULY	9 15 34	9 10 5
	○	24 9 56	24 6 46
	AUG.	8 4 18	8 2 22
	SEPT.	6 17 2	6 19 8
	OCT.	6 5 46	6 11 31
	NOV.	4 18 30	5 2 46
	DEC.	4 7 14	4 16 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 596.			
E. March. *d. h. m.* 27 18 28	JAN.	2 19 59	3 4 23
	FEB.	1 8 43	1 14 48
	MAR.	2 21 27	2 23 47
	APRIL	1 10 11	1 8 0
		30 22 55	30 16 17
	MAY	30 11 39	30 1 40
	JUNE	29 0 23	28 13 3
	JULY	28 13 7	28 2 55
	AUG.	27 1 51	26 19 12
	SEPT.	25 14 35	25 13 8
	OCT.	25 3 19	25 7 30
	NOV.	23 16 8	24 0 58
	○	8 10 25	8 1 53
	DEC.	23 4 47	23 16 30
595. D. 28 0 17	JAN.	21 17 32	22 5 35
	FEB.	20 6 16	20 16 11
	MAR.	21 19 0	22 0 49
	APRIL	20 7 44	20 8 10
	MAY	19 20 28	19 15 15
	○	3 14 50	3 22 29
	JUNE	18 9 12	17 23 10
	JULY	17 21 56	17 8 56
	AUG.	16 10 40	15 21 28
	SEPT.	14 23 24	14 13 0
	OCT.	14 12 8	14 7 3
	NOV.	13 0 52	13 2 23
	○	27 19 14	27 15 11
	DEC.	12 13 36	12 21 24
594. C. 23 6 6	JAN.	11 2 20	11 14 33
	FEB.	9 15 4	10 4 55
	MAR.	11 3 48	11 16 18
	APRIL	9 16 32	10 1 9
	MAY	9 5 16	9 8 22
	○	23 23 33	24 0 16
	JUNE	7 18 0	7 15 0
	JULY	7 6 44	6 22 9
	AUG.	5 19 28	5 6 54
	SEPT.	4 8 12	3 18 11
	OCT.	3 20 56	3 8 31
	NOV.	2 9 40	2 1 43
	○	17 4 2	17 6 56
	DEC.	1 22 24	1 20 49
		31 11 8	31 16 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 593.			
B.A. March. *d. h. m.* 27 11 55	JAN.	29 23 53	30 10 30
	FEB.	28 12 37	29 2 6
	MAR.	29 1 21	29 14 40
	APRIL	27 14 5	28 0 25
	MAY	27 2 49	27 8 13
	JUNE	25 15 33	25 15 7
	JULY	25 4 17	24 22 17
	AUG.	23 17 1	23 6 40
	SEPT.	22 5 45	21 17 8
	OCT.	21 18 29	21 6 10
	NOV.	20 7 13	19 21 53
	DEC.	19 19 57	19 15 39
592. G. 27 17 43	JAN.	18 8 41	18 10 23
	FEB.	16 21 26	17 4 33
	MAR.	18 10 10	18 21 5
	○	2 4 32	2 4 1
	APRIL	16 22 54	17 10 58
	MAY	16 11 38	16 22 11
	JUNE	15 0 22	15 7 17
	JULY	14 13 6	14 15 15
	AUG.	13 1 50	12 23 6
	SEPT.	11 14 34	11 7 46
	○	26 8 56	26 10 21
	OCT.	11 3 18	10 17 53
	NOV.	9 16 2	9 5 53
	DEC.	9 4 46	8 19 51
591. F. 27 23 32	JAN.	7 17 30	7 11 33
	FEB.	6 6 14	6 4 27
	MAR.	7 18 58	7 21 40
	○	22 13 20	22 16 18
	APRIL	6 7 42	6 14 12
	MAY	5 20 26	6 5 11
	JUNE	4 9 10	4 18 8
	JULY	3 21 54	4 5 10
	AUG.	2 10 38	2 14 54
		31 23 22	1 0 8
	○	15 17 44	15 10 9
	SEPT.	30 12 6	30 9 39
	OCT.	30 0 50	29 19 54
	NOV.	28 13 34	28 7 10
	DEC.	28 2 18	27 19 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 590. E. March. *d. h. m.* 28 5 21	JAN.	26 15 8	26 8 53
	FEB.	25 8 47	24 23 19
	○ MAR.	11 22 9	12 8 46
		26 16 31	26 14 37
	APRIL	25 5 15	25 6 20
	MAY	24 17 59	24 21 47
	JUNE	23 6 43	23 12 19
	JULY	22 19 27	23 1 37
	AUG.	21 8 11	21 13 40
	○ SEPT.	5 2 33	4 12 54
		19 20 55	20 0 54
	OCT.	19 9 39	19 11 45
	NOV.	17 22 23	17 22 34
	DEC.	17 11 7	17 9 26
589. D.C. 27 11 10	JAN.	15 23 52	15 20 25
	FEB.	14 12 36	14 7 38
	MAR.	15 1 20	14 19 29
	APRIL	13 14 4	13 8 23
	MAY	13 2 48	12 22 30
	JUNE	11 15 32	11 13 37
	JULY	11 4 16	11 5 12
	AUG.	9 17 0	9 20 33
	SEPT.	8 5 44	8 11 11
	OCT.	7 18 28	8 0 51
	NOV.	6 7 12	6 13 30
	DEC.	5 19 56	6 1 12
588. B. 27 16 59	JAN.	4 8 40	4 11 59
	○	19 3 2	19 8 3
	FEB.	2 21 24	2 21 57
	MAR.	4 10 8	4 7 26
	APRIL	2 22 52	2 17 2
	MAY	2 11 36	2 3 32
			31 15 39
	JUNE	1 0 20	
		30 13 4	30 5 42
	○ JULY	15 7 26	15 6 56
		30 1 48	29 21 30
	AUG.	28 14 32	28 14 20
	SEPT.	27 3 16	27 7 19
	OCT.	26 16 0	26 23 28
	NOV.	25 4 44	25 14 9
	DEC.	24 17 28	25 3 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 587. A. March. *d. h. m.* 27 22 47	○ JAN.	8 11 50	8 7 49
		23 6 12	23 14 7
	FEB.	21 18 57	21 23 35
	MAR.	23 7 41	23 7 53
	APRIL	21 20 25	21 15 48
	MAY	21 9 9	21 0 21
	JUNE	19 21 53	19 10 32
	○ JULY	4 16 15	4 22 29
		19 10 37	18 23 7
	AUG.	17 23 21	17 14 20
	SEPT.	16 12 5	16 7 44
	OCT.	16 0 49	16 2 16
	NOV.	14 13 33	14 20 30
	DEC.	14 2 17	14 13 13
	○	28 20 39	28 13 6
586. G. 23 4 36	JAN.	12 15 1	13 3 34
	FEB.	11 3 45	11 15 18
	MAR.	12 16 29	13 0 42
	APRIL	11 5 13	11 8 25
	MAY	10 17 57	10 15 23
	JUNE	9 6 41	8 22 41
	○	24 1 3	24 8 19
	JULY	8 19 25	8 7 23
	AUG.	7 8 9	6 18 29
	SEPT.	5 20 53	5 8 35
	OCT.	5 9 37	5 1 36
	NOV.	3 22 21	3 20 35
	DEC.	3 11 5	3 16 2
585. F.E. 27 10 25	JAN.	1 23 50	2 10 19
		31 12 31	...
	FEB.	...	1 2 8
	MAR.	1 1 18	1 14 54
		30 14 2	31 0 49
	APRIL	29 2 46	29 8 40
	MAY	28 15 30	28 15 25
	JUNE	27 4 14	26 22 11
	JULY	26 16 58	26 6 5
	AUG.	25 5 42	24 16 4
	SEPT.	23 18 26	23 4 56
	OCT.	23 7 10	22 20 49
	○ NOV.	7 1 32	7 5 47
		21 19 54	21 15 7
	DEC.	21 8 38	21 10 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 584.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 27 16 14	JAN.	19 21 23	20 5 32
	FEB.	18 10 7	18 22 28
	MAR.	19 22 51	20 12 29
	APRIL	18 11 35	18 23 31
	○	8 5 57	2 22 36
	MAY	18 0 19	18 8 9
	JUNE	16 13 8	16 15 26
	JULY	16 1 47	15 22 27
	AUG.	14 14 31	14 6 14
	SEPT.	13 8 15	12 15 42
	OCT.	12 15 59	12 3 30
	○	27 10 21	27 18 0
	NOV.	11 4 43	10 17 54
	DEC.	10 17 27	10 10 40
583. C. 27 22 8	JAN.	9 6 11	9 4 54
	FEB.	7 18 55	7 23 22
	MAR.	9 7 39	9 16 42
	APRIL	7 20 23	8 7 50
	○	22 14 45	22 8 22
	MAY	7 9 7	7 20 22
	JUNE	5 21 51	6 6 30
	JULY	5 10 35	5 15 4
	AUG.	3 23 19	3 23 2
	SEPT.	2 12 3	2 7 24
	OCT. ○	2 0 47	1 16 52
		16 19 9	16 23 17
		31 13 31	31 3 59
	NOV.	30 2 15	29 16 56
	DEC.	29 14 59	29 7 38
582. B. 23 3 52	JAN.	28 3 44	27 23 48
	FEB.	26 16 28	26 16 43
	MAR.	28 5 12	28 9 31
	APRIL	26 17 56	27 1 16
	MAY	26 6 40	26 15 16
	JUNE	24 19 24	25 3 22
	JULY	24 8 8	24 13 52
	AUG.	22 20 52	22 23 31
	SEPT.	21 9 36	21 9 2
	OCT.	20 22 20	20 19 3
	NOV.	19 11 4	19 5 52
	DEC.	18 23 48	18 17 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 581.		*d. h. m.*	*d. h. m.*
A.G. March. *d. h. m.* 27 9 40	JAN.	17 12 33	17 6 13
	FEB.	16 1 17	15 19 51
	○	1 19 39	2 7 56
	MAR.	16 14 1	16 10 29
	APRIL	15 2 45	15 1 49
	MAY	14 15 29	14 17 22
	JUNE	13 4 13	13 8 29
	JULY	12 16 57	12 22 35
	AUG.	11 5 41	11 11 30
	○	26 0 3	25 10 0
	SEPT.	9 18 25	9 23 24
	OCT.	9 7 9	9 10 38
	NOV.	7 19 53	7 21 38
	DEC.	7 8 37	7 8 29
580. F. 27 15 29	JAN.	5 21 21	5 19 16
	FEB.	4 10 5	4 6 6
	○	19 4 27	19 18 7
	MAR.	5 22 49	5 17 18
	APRIL	4 11 38	4 5 20
	MAY	4 0 17	3 18 36
	JUNE	2 13 1	2 9 10
	JULY	2 1 45	2 0 38
		31 14 29	31 16 22
	○	15 8 51	15 2 22
	AUG.	30 3 13	30 7 43
	SEPT.	23 15 57	28 22 11
	OCT.	28 4 41	28 11 35
	NOV.	26 17 25	26 23 53
	DEC.	26 6 9	26 11 7
579. E. 27 21 18	JAN.	24 18 54	24 21 22
	○	8 13 16	8 20 56
	FEB.	28 7 38	23 6 49
	MAR.	24 20 22	24 16 1
	APRIL	23 9 6	23 1 44
	MAY	22 21 50	22 12 46
	JUNE	21 10 31	21 1 46
	JULY	20 23 18	20 16 47
	○	4 17 40	4 14 36
	AUG.	19 12 2	19 9 22
	SEPT.	18 0 46	18 2 39
	OCT.	17 13 30	17 19 34
	NOV.	16 2 14	16 11 17
	DEC.	15 14 58	16 1 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 578.		d. h. m.	d. h. m.
D. March. d. h. m. 28 8 7	JAN.	14 8 42	14 13 9
	FEB.	12 16 26	12 23 12
	MAR.	14 5 10	14 7 48
	APRIL	12 17 54	12 15 37
	MAY	12 6 38	11 23 34
	JUNE	10 19 22	10 8 42
	JULY	10 8 6	9 19 58
	AUG.	8 20 50	8 9 54
	SEPT.	7 9 34	7 2 27
	OCT.	6 22 18	6 20 45
	NOV.	5 11 2	5 15 30
	DEC.	4 23 46	5 9 15
	○	19 18 8	19 10 31
577. C.B. 27 8 56	JAN.	3 12 31	4 0 56
	FEB.	2 1 15	2 13 54
	MAR.	2 13 59	3 0 16
	APRIL	1 2 43	1 8 35
		30 15 27	30 15 43
	MAY	30 4 11	29 22 37
	○	13 22 33	14 5 9
	JUNE	28 16 55	28 6 27
	JULY	28 5 39	27 16 15
	AUG.	26 18 23	26 4 44
	SEPT.	25 7 7	24 20 36
	OCT.	24 19 51	24 14 51
	NOV.	23 8 35	23 10 21
	○	8 2 57	8 0 7
	DEC.	22 21 19	23 5 26
576. A. 27 14 45	JAN.	21 10 4	21 22 34
	FEB.	19 22 48	20 12 49
	MAR.	21 11 32	22 0 1
	APRIL	20 0 16	20 8 43
	MAY	19 13 0	19 15 49
	○	3 7 22	3 6 42
	JUNE	18 1 44	17 22 28
	JULY	17 14 28	17 5 44
	AUG.	16 3 12	15 14 39
	SEPT.	14 15 56	14 2 7
	OCT.	14 4 40	13 16 33
	NOV.	12 17 24	12 9 46
	○	27 11 46	27 15 52
	DEC.	12 6 8	12 4 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 575.		d. h. m.	d. h. m.
G. March. d. h. m. 27 20 33	JAN.	10 18 53	11 0 7
	FEB.	9 7 37	9 18 6
	MAR.	10 20 21	11 9 34
	APRIL	9 9 5	9 21 59
	MAY	8 21 49	9 7 43
	JUNE	7 10 33	7 15 36
	JULY	6 23 17	6 22 41
	AUG.	5 12 1	5 6 7
	SEPT.	4 0 45	3 14 47
	OCT.	3 13 29	3 1 23
	NOV.	2 2 13	1 14 37
	DEC.	1 14 57	1 6 11
		31 3 41	30 23 39
574. F. 23 2 22	JAN.	29 16 25	29 17 58
	FEB.	28 5 9	28 11 52
	MAR.	29 17 53	30 4 4
	○	13 12 15	13 7 45
	APRIL	28 6 37	28 17 53
	MAY	27 19 21	28 5 13
	JUNE	26 8 5	26 14 34
	JULY	25 20 49	25 22 54
	AUG.	24 9 33	24 7 9
	SEPT.	22 22 17	22 16 11
	○	7 16 39	7 18 13
	OCT.	22 11 1	22 2 35
	NOV.	20 23 45	20 14 36
	DEC.	20 12 29	20 4 19
573. E.D. 27 8 11	JAN.	19 1 14	18 19 36
	FEB.	17 13 58	17 11 56
	MAR.	18 2 42	18 4 39
	○	1 21 4	2 0 6
	APRIL	16 15 26	16 20 53
	MAY	16 4 10	16 11 49
	JUNE	14 16 54	15 0 58
	JULY	14 5 38	14 12 24
	AUG.	12 18 22	12 22 37
	SEPT.	11 7 6	11 8 23
	○	26 1 28	25 17 41
	OCT.	10 19 50	10 18 18
	NOV.	9 8 34	9 4 50
	DEC.	8 21 18	8 16 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 572. C. March. d. h. m. 27 14 0	JAN.	7 10 2	7 4 8
	FEB.	5 22 46	5 16 54
	MAR.	7 11 30	7 6 48
	○	22 5 52	22 16 34
	APRIL	6 0 14	5 21 29
	MAY	5 12 58	5 12 51
	JUNE	4 1 42	4 4 14
	JULY	3 14 26	3 19 1
	AUG.	2 3 10	2 8 47
		31 15 54	31 21 26
	○	15 10 16	14 20 39
	SEPT.	30 4 38	30 9 15
	OCT.	29 17 22	29 20 32
	NOV.	28 6 6	28 7 32
	DEC.	27 18 50	27 18 19
571. B. 27 19 49	JAN.	26 7 35	26 4 56
	FEB.	24 20 19	24 15 37
	MAR.	26 9 3	26 2 52
	APRIL	24 21 47	24 15 15
	MAY	24 10 31	24 5 1
	JUNE	22 23 15	22 20 4
	JULY	22 11 59	22 11 54
	AUG.	21 0 43	21 3 45
	SEPT.	19 13 27	19 18 59
	OCT.	19 2 11	19 9 13
	NOV.	17 14 55	17 22 16
	DEC.	17 3 39	17 10 5
570. A. 28 1 38	JAN.	15 16 24	15 20 44
	○	30 10 46	30 15 38
	FEB.	14 5 8	14 6 20
	MAR.	15 17 52	15 15 21
	APRIL	14 6 36	14 0 27
	MAY	13 19 20	13 10 31
	JUNE	12 8 4	11 22 23
	JULY	11 20 48	11 12 23
	○	26 15 10	26 14 39
	AUG.	10 9 32	10 4 23
	SEPT.	8 22 16	8 21 39
	OCT.	8 11 0	8 15 8
	NOV.	6 23 44	7 7 46
	DEC.	6 12 28	6 22 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 569. G.F. March. d. h. m. 27 7 26	JAN.	5 1 12	5 11 45
	○	19 19 34	19 15 42
	FEB.	3 13 56	3 22 36
	MAR.	4 2 40	4 7 43
	APRIL	2 15 24	2 15 38
	MAY	2 4 8	1 23 13
		31 16 52	31 7 30
	JUNE	30 5 36	29 17 32
	○	14 23 58	15 5 53
	JULY	29 18 20	29 6 8
	AUG.	28 7 4	27 21 31
	SEPT.	26 19 48	26 15 13
	OCT.	26 8 32	26 10 5
	NOV.	24 21 16	25 4 40
	DEC.	24 10 0	24 21 34
568. E. 27 13 15	○	8 4 23	7 21 31
	JAN.	22 22 45	23 11 54
	FEB.	21 11 29	21 23 27
	MAR.	23 0 13	23 8 34
	APRIL	21 12 57	21 16 8
	MAY	21 1 41	20 22 50
	JUNE	19 14 25	19 6 2
	○	4 8 47	4 15 12
	JULY	19 3 9	18 14 45
	AUG.	17 15 53	17 1 57
	SEPT.	16 4 37	15 16 12
	OCT.	15 17 21	15 9 23
	NOV.	14 6 5	14 4 30
	DEC.	13 18 49	14 0 2
567. D. 27 19 4	JAN.	12 7 34	12 18 19
	FEB.	10 20 13	11 10 1
	MAR.	12 9 2	12 22 33
	APRIL	10 21 46	11 8 24
	MAY	10 10 30	10 16 7
	JUNE	8 23 14	8 22 53
	JULY	8 11 58	8 5 44
	AUG.	7 0 42	6 13 47
	SEPT.	5 13 26	5 0 0
	OCT.	5 2 10	4 13 1
	NOV.	3 14 54	3 4 55
	○	18 9 16	18 14 39
	DEC.	3 3 38	2 23 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 566. C.	JAN.	1 16 22	1 18 26
		31 5 6	31 18 10
March. d. h. m. 28 0 58	FEB.	...	...
	MAR.	1 17 50	2 5 52
		31 6 34	31 19 45
	APRIL	29 19 18	30 6 45
	○	14 18 40	14 5 25
	MAY	29 8 2	29 15 27
	JUNE	27 20 46	27 22 54
	JULY	27 9 30	27 6 9
	AUG.	25 22 14	25 14 16
	SEPT.	24 10 58	24 0 1
	OCT.	23 23 42	23 11 58
	○	7 18 4	8 2 28
	NOV.	22 12 26	22 2 18
	DEC.	22 1 10	21 18 47
565. B.A. 27 6 42	JAN.	20 13 55	20 12 40
	FEB.	19 2 39	19 6 42
	MAR.	19 15 23	19 23 43
	APRIL	18 4 7	18 14 44
	○	2 22 29	2 15 41
	MAY	17 16 51	18 3 19
	JUNE	16 5 35	16 13 40
	JULY	15 18 19	15 22 33
	AUG.	14 7 3	14 6 56
	SEPT.	12 19 47	12 15 43
	OCT.	12 8 31	12 1 32
	○	27 2 53	27 7 16
	NOV.	10 21 15	10 12 46
	DEC.	10 9 59	10 1 35
564. G. 27 12 31	JAN.	8 22 44	8 15 55
	FEB.	7 11 28	7 7 30
	MAR.	9 0 12	8 23 51
	APRIL	7 12 56	7 16 15
	MAY	7 1 40	7 7 50
	JUNE	5 14 24	5 21 58
	JULY	5 3 8	5 10 24
	AUG.	3 15 52	3 21 23
	SEPT.	2 4 36	2 7 34
	OCT.	1 17 20	1 17 35
		31 6 4	31 3 55
	NOV.	29 18 48	29 14 50
	DEC.	29 7 32	29 2 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 563. F. March. d. h. m. 27 18 19	JAN.	27 20 16	27 14 29
	FEB.	26 9 0	26 3 31
	○	18 3 22	18 15 46
	MAR.	27 21 44	27 17 31
	APRIL	26 10 28	26 8 25
	MAY	25 23 12	25 23 47
	JUNE	24 11 56	24 15 2
	JULY	24 0 40	24 5 33
	AUG.	22 13 24	22 19 2
	○	6 7 46	5 18 0
	SEPT.	21 2 8	21 7 32
	OCT.	20 14 52	20 19 17
	NOV.	19 3 36	19 6 34
	DEC.	18 16 20	18 17 26
562. E. 28 0 8	JAN.	17 5 5	17 3 58
	FEB.	15 17 49	15 14 20
	○	2 12 11	3 1 42
	MAR.	17 6 33	17 0 57
	APRIL	15 19 17	15 12 26
	MAY	15 8 1	15 1 17
	JUNE	13 20 45	13 15 40
	JULY	13 9 29	13 7 15
	AUG.	11 22 13	11 23 32
	○	26 16 35	26 10 26
	SEPT.	10 10 57	10 15 16
	OCT.	9 23 41	10 6 20
	NOV.	8 12 25	8 20 14
	DEC.	8 1 9	8 8 46
561. D.C. 27 5 57	JAN.	6 13 54	6 20 0
	FEB.	5 2 38	5 5 53
	○	19 21 0	20 4 19
	MAR.	5 15 22	5 14 55
	APRIL	4 4 6	3 23 33
	MAY	3 16 50	3 8 54
	JUNE	2 5 34	1 19 37
	JULY	1 18 18	1 8 29
		31 7 2	30 23 36
	○	15 1 24	14 22 33
	AUG.	29 19 46	29 16 30
	SEPT.	28 8 30	28 10 15
	OCT.	27 21 14	28 3 41
	NOV.	26 9 58	26 19 47
	DEC.	25 22 42	26 9 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 560.		d. h. m.	d. h. m.	B.C. 557.		d. h. m.	d. h. m.
B. March. d. h. m. 27 11 46	JAN.	24 11 26	24 21 41	F.E. March. d. h. m. 27 5 12	JAN.	22 2 35	22 7 48
	FEB.	23 0 10	23 7 29		FEB.	20 15 20	21 1 32
	MAR.	24 12 54	24 15 43		MAR.	21 4 4	21 16 49
	APRIL	23 1 38	22 23 11		APRIL	19 16 48	20 5 11
	MAY	22 14 22	22 6 51		MAY	19 5 32	19 14 56
	JUNE	21 8 6	20 15 49		○	2 23 54	2 15 8
	JULY	20 15 50	20 8 2		JUNE	17 18 16	17 22 58
	AUG.	19 4 34	18 17 6		JULY	17 7 0	17 6 18
	SEPT.	17 17 18	17 9 52		AUG.	15 19 44	15 14 3
	OCT.	17 6 2	17 4 29		SEPT.	14 8 28	13 23 3
	NOV.	15 18 46	15 23 33		OCT.	13 21 12	13 9 57
	DEC.	15 7 30	15 17 31		NOV.	12 9 56	11 23 7
	○	30 1 52	29 19 8		DEC.	11 22 40	11 14 29
559. A. 27 17 35	JAN.	13 20 15	14 9 14	556. D. 27 11 1	JAN.	10 11 25	10 7 35
	FEB.	12 8 59	12 22 4		FEB.	9 0 9	9 1 23
	MAR.	13 21 43	14 8 13		MAR.	10 12 53	10 18 57
	APRIL	12 10 27	12 16 18		APRIL	9 1 37	9 10 56
	MAY	11 23 11	11 23 13		○	28 19 59	28 19 15
	JUNE	10 11 55	10 6 1		MAY	8 14 21	9 0 44
	○	25 6 17	25 11 50		JUNE	7 3 5	7 12 14
	JULY	10 0 39	9 18 50		JULY	6 15 49	6 21 54
	AUG.	8 13 23	7 23 45		AUG.	5 4 33	5 6 39
	SEPT.	7 2 7	6 12 31		SEPT.	3 17 17	3 15 20
	OCT.	6 14 51	6 4 22		OCT.	3 6 1	3 0 46
	NOV.	5 3 35	4 22 45		○	18 0 23	18 2 1
	DEC.	4 16 19	4 18 19		NOV.	1 18 45	1 11 22
	○	19 10 41	19 9 3		DEC.	1 7 29	30 23 21
558. G. 27 23 24	JAN.	3 5 3	3 13 25			30 20 13	30 12 47
	FEB.	1 17 47	2 6 27	555. C. 27 16 50	JAN.	29 8 57	29 8 31
	MAR.	3 6 31	3 20 32		FEB.	27 21 41	27 19 17
	APRIL	1 19 15	2 7 35		MAR.	29 10 25	29 11 30
	MAY	1 7 59	1 16 10		○	13 4 47	13 7 48
		30 20 43	30 23 15		APRIL	27 23 9	23 3 27
	○	14 15 5	14 13 7		MAY	27 11 53	27 18 23
	JUNE	29 9 27	29 5 57		JUNE	26 0 37	26 7 48
	JULY	28 22 11	28 13 23		JULY	25 13 21	25 19 40
	AUG.	27 10 55	26 22 31		AUG.	24 2 5	24 6 28
	SEPT.	25 23 39	25 10 11		SEPT.	22 14 49	22 16 45
	OCT.	25 12 23	25 0 43		○	7 9 11	7 1 21
	NOV.	24 1 7	23 17 53		OCT.	22 3 33	22 3 4
	○	8 19 29	9 0 48		NOV.	20 16 17	20 13 47
	DEC.	23 13 51	23 12 44		DEC.	20 5 1	20 0 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 554. B. March. *d. h. m.* 27 22 39	JAN.	18 17 46	18 12 38
	FEB.	17 6 30	17 0 51
	MAR.	18 19 14	18 14 2
	○	2 13 36	3 0 16
	APRIL	17 7 58	17 4 15
	MAY	16 20 42	16 19 18
	JUNE	15 9 26	15 10 43
	JULY	14 22 10	15 1 48
	AUG.	13 10 54	13 16 5
	SEPT.	11 23 38	12 5 21
	○	26 18 0	26 4 35
	OCT.	11 12 22	11 17 44
	NOV.	10 1 6	10 5 25
	DEC.	9 13 50	9 16 30
553. A.G. 27 4 28	JAN.	8 2 35	8 3 8
	FEB.	6 15 19	6 13 21
	MAR.	7 4 3	6 23 30
	APRIL	5 16 47	5 10 12
	MAY	5 5 31	4 22 5
	JUNE	3 18 15	3 11 34
	JULY	3 6 59	3 2 37
	AUG.	1 19 43	1 18 43
		31 8 27	31 11 3
	SEPT.	29 21 11	30 2 55
	OCT.	29 9 55	29 17 40
	NOV.	27 22 39	28 7 3
	DEC.	27 11 23	27 18 56
552. F. 27 10 17	JAN.	26 0 7	26 5 21
	○	9 18 29	9 23 5
	FEB.	24 12 51	24 14 35
	MAR.	26 1 35	25 23 8
	APRIL	24 14 19	24 7 48
	MAY	24 3 3	23 17 30
	JUNE	22 15 47	22 5 9
	JULY	22 4 31	21 19 10
	○	5 22 53	5 22 27
	AUG.	20 17 15	20 11 23
	SEPT.	19 5 59	19 5 4
	OCT.	18 18 43	18 23 1
	NOV.	17 7 27	17 16 6
	DEC.	16 20 11	17 7 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 551. E. March. *d. h. m.* 27 16 5	JAN.	15 8 55	15 20 18
	○	30 3 17	29 23 28
	FEB.	13 21 40	14 6 58
	MAR.	15 10 24	15 15 44
	APRIL	13 23 8	13 23 19
	MAY	13 11 52	13 6 36
	JUNE	12 0 36	11 14 42
	JULY	11 13 20	11 0 39
	○	26 7 42	26 13 20
	AUG.	10 2 4	9 13 18
	SEPT.	8 14 43	8 4 52
	OCT.	8 3 32	7 22 51
	NOV.	6 16 16	6 18 2
	DEC.	6 5 0	6 12 51
550. D. 27 21 54	JAN.	4 17 45	5 5 50
	○	19 12 7	19 5 52
	FEB.	3 6 29	3 20 5
	MAR.	4 19 13	5 7 26
	APRIL	3 7 57	3 16 20
	MAY	2 20 41	2 23 36
	JUNE	1 9 25	1 6 15
		30 22 9	30 13 26
	○	15 16 31	15 22 6
	JULY	30 10 53	29 22 14
	AUG.	28 23 37	28 9 34
	SEPT.	27 12 21	26 23 59
	OCT.	27 1 5	26 17 16
	NOV.	25 13 49	25 12 29
	DEC.	25 2 33	25 8 1
549. C.B. 27 3 43	JAN.	23 15 17	24 2 10
	FEB.	22 4 1	22 17 44
	MAR.	22 16 45	23 6 11
	APRIL	21 5 29	21 15 51
	MAY	20 18 13	20 23 32
	JUNE	19 6 57	19 6 19
	JULY	18 19 41	18 13 20
	AUG.	17 8 25	16 21 33
	SEPT.	15 21 9	15 8 4
	OCT.	15 9 53	14 21 12
	NOV.	13 22 37	13 13 7
	○	28 16 59	28 23 33
	DEC.	13 11 21	13 7 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Rel.)	True New Moon. (○ Full Rel.)
B.C. 548.		d. h. m.	d. h. m.
A. March. d. h. m. 27 9 32	JAN. .	12 0 5	12 2 13
	FEB. .	10 12 50	10 20 38
	MAR. .	12 1 34	12 13 8
	APRIL	10 14 18	11 2 55
	MAY .	10 3 2	10 13 55
	○	24 21 24	24 12 14
	JUNE .	8 15 46	8 22 45
	JULY .	8 4 30	8 6 25
	AUG. .	6 17 14	6 14 1
	SEPT. .	5 5 58	4 22 28
	OCT. .	4 18 42	4 8 29
	NOV. .	3 7 26	2 20 33
	○	18 1 48	18 10 59
	DEC. .	2 20 10	2 10 47
547. G. 27 15 21	JAN. .	1 8 55	1 2 57
		30 21 39	30 20 19
	FEB. .	...	...
	MAR. .	1 10 28	1 13 54
		30 23 7	31 6 36
	APRIL	29 11 51	29 21 31
	○	14 6 13	13 22 58
	MAY .	29 0 35	29 10 12
	JUNE .	27 13 19	27 20 51
	JULY .	27 2 3	27 6 9
	AUG. .	25 14 47	25 14 59
	SEPT. .	24 3 31	24 0 11
	OCT. .	23 16 15	23 10 17
	○	7 10 37	7 15 17
	NOV. .	22 4 59	21 21 36
	DEC. .	21 17 43	21 10 12
546. F. 27 21 10	JAN. .	20 6 27	20 0 4
	FEB. .	18 19 11	18 15 4
	MAR. .	20 7 55	20 6 51
	APRIL	18 20 39	18 22 52
	MAY .	18 9 23	18 14 21
	JUNE .	16 22 7	17 4 39
	JULY .	16 10 51	16 17 28
	AUG. .	14 23 35	15 5 0
	SEPT. .	13 12 19	13 15 44
	OCT. .	13 1 3	13 2 13
	NOV. .	11 13 47	11 12 50
	DEC. .	11 2 31	10 23 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Rel.)	True New Moon. (○ Full Rel.)
B.C. 545.		d. h. m.	d. h. m.
E.D. March. d. h. m. 27 2 58	JAN. .	9 15 16	9 10 59
	FEB. .	8 4 0	7 22 40
	MAR. .	8 16 44	8 11 4
	○	23 11 6	23 23 30
	APRIL	7 5 28	7 0 30
	MAY .	6 18 12	6 14 59
	JUNE .	5 6 56	5 6 14
	JULY .	4 19 40	4 21 38
	AUG. .	3 8 24	3 12 36
	SEPT. .	1 21 8	2 2 41
	○	16 15 30	16 1 42
	OCT. .	1 9 52	1 15 46
		30 22 36	31 4 1
	NOV. .	29 11 20	29 15 30
	DEC. .	29 0 4	29 2 19
544. C. 27 8 47	JAN. .	27 12 48	27 12 32
	FEB. .	26 1 32	25 22 25
	○	12 19 54	13 9 5
	MAR. .	27 14 16	27 8 29
	APRIL	26 3 0	25 19 26
	MAY .	25 15 44	25 7 56
	JUNE .	24 4 28	23 22 12
	JULY .	23 17 12	23 13 55
	AUG. .	22 5 56	22 6 27
	○	6 0 18	5 14 17
	SEPT. .	20 18 40	20 22 56
	OCT. .	20 7 24	20 14 34
	NOV. .	18 20 8	19 4 53
	DEC. .	18 8 52	18 17 34
543. B. 27 14 36	JAN. .	16 21 37	17 4 39
	FEB. .	15 10 21	15 14 17
	○	2 4 43	2 11 31
	MAR. .	16 23 5	16 22 52
	APRIL	15 11 49	15 7 9
	MAY .	15 0 33	14 16 1
	JUNE .	13 13 17	13 2 30
	JULY .	13 2 1	12 15 16
	AUG. .	11 14 45	11 6 31
	○	26 9 7	26 6 37
	SEPT. .	10 3 29	9 23 45
	OCT. .	9 16 13	9 17 58
	NOV. .	8 4 57	8 11 50
	DEC. .	7 17 41	8 4 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 542. A. March. d. h. m. 27 20 25	JAN.	6 6 26	6 18 25
	FEB.	4 19 10	5 6 6
	MAR.	6 7 54	6 15 37
	APRIL	4 20 38	4 23 30
	MAY	4 9 22	4 6 40
	JUNE	2 22 6	2 14 7
	JULY	2 10 50	1 22 59
		31 23 34	31 10 14
	AUG.	30 12 18	30 0 25
	SEPT.	29 1 2	28 17 25
	OCT.	28 13 46	28 12 19
	NOV.	27 2 30	27 7 37
	DEC.	26 15 14	27 1 42
541. G.F. 27 2 14	○	10 9 36	10 8 41
	JAN.	25 3 58	25 17 23
	FEB.	23 16 42	24 6 5
	MAR.	24 5 26	24 16 1
	APRIL	22 18 10	22 23 58
	MAY	22 6 54	22 6 38
	JUNE	20 19 38	20 13 26
	○	5 14 0	5 18 33
	JULY	20 8 22	19 21 20
	AUG.	18 21 6	18 7 22
	SEPT.	17 9 50	16 20 17
	OCT.	16 22 34	16 12 16
	NOV.	15 11 18	15 6 44
	DEC.	15 0 2	15 2 16
	○	29 18 24	29 17 55
540. E. 27 8 8	JAN.	13 12 47	13 21 16
	FEB.	12 1 31	12 14 10
	MAR.	13 14 15	14 4 6
	APRIL	12 2 59	12 15 2
	MAY	11 15 43	11 23 33
	JUNE	10 4 27	10 6 42
	○	24 22 49	24 19 38
	JULY	9 17 11	9 13 33
	AUG.	8 5 55	7 21 12
	SEPT.	6 18 39	6 6 35
	OCT.	6 7 23	5 18 25
	NOV.	4 20 7	4 8 59
	DEC.	4 8 51	4 2 2
	○	19 3 13	19 9 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 539. D. March. d. h. m. 27 13 51	JAN.	2 21 36	2 20 38
	FEB.	1 10 20	1 15 22
	MAR.	2 23 4	3 8 50
	APRIL	1 11 48	1 23 55
	MAY	1 0 32	1 12 16
		30 13 16	30 22 8
	○	14 7 38	13 21 52
	JUNE	29 2 0	29 6 23
	JULY	28 14 44	28 14 3
	AUG.	27 3 28	26 22 9
	SEPT.	25 16 12	25 7 28
	OCT.	25 4 56	24 18 34
	NOV.	23 17 40	23 7 42
	DEC.	23 6 24	22 22 48
538. C. 27 19 40	JAN.	21 19 8	21 15 25
	FEB.	20 7 52	20 8 47
	MAR.	21 20 36	22 1 52
	APRIL	20 9 20	20 17 40
	○	5 3 42	4 22 37
	MAY	19 22 4	20 7 31
	JUNE	18 10 48	18 19 14
	JULY	17 23 32	18 5 18
	AUG.	16 12 16	16 14 30
	SEPT.	15 1 0	14 23 40
	OCT.	14 13 44	14 9 27
	○	29 8 6	29 9 52
	NOV.	13 2 28	12 20 13
	DEC.	12 15 12	12 8 7
537. B.A. 27 1 29	JAN.	11 3 57	10 21 11
	FEB.	9 16 41	9 11 21
	MAR.	10 5 25	10 2 30
	APRIL	8 18 9	8 18 15
	○	23 12 31	23 15 25
	MAY	8 6 53	8 9 59
	JUNE	6 19 37	7 0 57
	JULY	6 8 21	6 14 41
	AUG.	4 21 5	5 3 5
	SEPT.	3 9 49	3 14 26
	OCT.	2 22 33	3 1 15
	○	17 16 55	17 9 8
	NOV.	1 11 17	1 11 56
			30 22 45
	DEC.	1 0 1	
		30 12 45	30 9 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 536. G. March. d. h. m. 27 7 18	JAN.	29 1 30	28 20 56
	FEB.	27 14 14	27 8 40
	MAR.	29 2 58	28 21 15
	○	12 21 20	18 7 49
	APRIL	27 15 42	27 10 59
	MAY	27 4 26	27 1 47
	JUNE	25 17 10	25 17 18
	JULY	25 5 54	25 8 38
	AUG.	23 18 38	23 23 27
	SEPT.	22 7 22	22 18 22
	○	7 1 44	6 12 40
	OCT.	21 20 6	22 2 17
	NOV.	20 8 50	20 14 17
	DEC.	19 21 34	20 1 27
535. F. 27 18 7	JAN.	18 10 18	18 11 51
	FEB.	16 23 2	16 21 37
	MAR.	18 11 46	18 7 15
	APRIL	17 0 30	16 17 25
	MAY	16 18 14	16 4 53
	JUNE	15 1 58	14 18 9
	JULY	14 14 42	14 9 18
	AUG.	13 8 26	13 1 37
	SEPT.	11 16 10	11 18 29
	OCT.	11 4 54	11 10 55
	NOV.	9 17 38	10 2 10
	DEC.	9 6 22	9 15 48
534. E. 27 18 56	JAN.	7 19 7	8 3 41
	FEB.	6 7 51	6 18 51
	○	21 2 13	21 6 23
	MAR.	7 20 35	7 22 43
	APRIL	6 9 19	6 6 49
	MAY	5 22 8	5 15 5
	JUNE	4 10 47	4 0 31
	JULY	3 23 31	3 12 1
	AUG.	2 12 15	2 2 4
	○	17 6 37	17 6 24
			31 18 32
	SEPT.	1 0 59	
		30 13 43	30 12 36
	OCT.	30 2 27	30 7 1
	NOV.	28 15 11	29 0 27
	DEC.	28 3 55	28 15 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 533. D.C. March. d. h. m. 27 0 44	JAN.	26 16 40	27 4 46
	○	10 11 2	10 7 9
	FEB.	25 5 24	25 15 11
	MAR.	25 18 8	25 23 38
	APRIL	24 6 52	24 6 55
	MAY	23 19 36	23 13 58
	JUNE	22 8 20	21 21 57
	JULY	21 21 4	21 7 55
	○	5 15 26	5 20 53
	AUG.	20 9 48	19 20 38
	SEPT.	18 22 32	18 12 22
	OCT.	18 11 16	18 6 36
	NOV.	17 0 0	17 2 0
	DEC.	16 12 44	16 20 57
532. B. 27 6 33	JAN.	15 1 28	15 13 56
	○	29 19 50	29 14 6
	FEB.	13 14 12	14 4 6
	MAR.	15 2 56	15 15 16
	APRIL	13 15 40	13 23 56
	MAY	13 4 24	13 7 4
	JUNE	11 17 8	11 13 42
	JULY	11 5 52	10 20 56
	○	26 0 14	26 5 6
	AUG.	9 18 36	9 5 51
	SEPT.	8 7 20	7 17 21
	OCT.	7 20 4	7 7 54
	NOV.	6 8 48	6 1 16
	DEC.	5 21 32	5 20 26
531. A. 27 12 22	JAN.	4 10 17	4 15 53
	FEB.	2 23 1	3 9 54
	MAR.	4 11 45	5 1 17
	APRIL	3 0 29	3 13 37
	MAY	2 13 13	2 23 13
	JUNE	1 1 57	1 6 55
		30 14 41	30 13 51
	JULY	30 3 25	29 21 6
	AUG.	28 16 9	28 5 39
	SEPT.	27 4 53	26 16 17
	OCT.	26 17 37	26 5 32
	NOV.	25 6 21	24 21 23
	○	10 0 43	10 8 25
	DEC.	24 19 5	24 15 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 530. G. March. d. h. m. 27 18 11		d. h. m.	d. h. m.
	JAN.	23 7 49	23 9 53
	FEB.	21 20 33	22 8 57
	MAR.	23 9 17	23 20 13
	APRIL	21 22 1	22 9 56
	MAY	21 10 45	21 21 0
	○	5 5 7	4 19 4
	JUNE	19 23 29	20 6 8
	JULY	19 12 13	19 14 1
	AUG.	18 0 57	17 21 59
	SEPT.	16 13 41	16 6 48
	OCT.	16 2 25	15 17 4
	NOV.	14 15 9	14 5 12
	○	29 9 31	29 19 28
	DEC.	14 8 58	13 19 14
529. F.E. 27 0 0	JAN.	12 16 38	12 10 59
	FEB.	11 5 22	11 3 50
	MAR.	11 18 6	11 20 57
	APRIL	10 6 50	10 13 21
	MAY	9 19 34	10 4 11
	○	24 13 56	24 6 13
	JUNE	8 8 18	8 17 3
	JULY	7 21 2	8 4 3
	AUG.	6 9 46	6 13 49
	SEPT.	4 22 30	4 23 9
	OCT.	4 11 14	4 8 45
	NOV.	2 23 58	2 19 7
	○	17 18 20	17 23 20
	DEC.	2 12 42	2 6 27
		...	31 18 47
528. D. 27 5 49	JAN.	1 1 26	...
		30 14 11	30 8 9
	FEB.	...	28 22 32
	MAR.	1 2 55	...
		30 15 39	30 13 47
	APRIL	29 4 23	29 5 27
	○	13 22 45	13 22 33
	MAY	28 17 7	28 20 50
	JUNE	27 5 51	27 11 21
	JULY	26 18 35	27 0 38
	AUG.	25 7 19	25 12 45
	SEPT.	23 20 3	24 0 2
	OCT.	23 8 47	23 10 58
	NOV.	21 21 31	21 21 49
	DEC.	21 10 15	21 8 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 527. C. March. d. h. m. 27 11 37		d. h. m.	d. h. m.
	JAN.	19 22 59	19 19 34
	FEB.	18 11 43	18 6 43
	MAR.	20 0 27	19 18 31
	○	3 18 49	4 7 2
	APRIL	18 13 11	18 7 23
	MAY	18 1 55	17 21 31
	JUNE	16 14 39	16 12 40
	JULY	16 3 23	16 4 17
	AUG.	14 16 7	14 19 43
	SEPT.	13 4 51	13 10 25
	○	27 23 13	27 9 48
	OCT.	12 17 35	13 0 6
	NOV.	11 6 19	11 12 46
	DEC.	10 19 4	11 0 27
526. B. 27 17 26	JAN.	9 7 43	9 11 8
	FEB.	7 20 32	7 21 0
	MAR.	9 9 16	9 6 24
	○	24 3 38	24 16 21
	APRIL	7 22 0	7 15 55
	MAY	7 10 44	7 2 26
	JUNE	5 23 28	5 14 37
	JULY	5 12 12	5 4 47
	AUG.	4 0 56	3 20 42
	SEPT.	2 13 40	2 13 41
	○	17 8 2	16 22 35
	OCT.	2 2 24	2 6 43
		31 15 8	31 22 53
	NOV.	30 8 52	30 13 33
	DEC.	29 16 36	30 2 20
525. A.G. 26 23 15	JAN.	28 5 21	28 13 15
	FEB.	26 18 5	26 22 32
	○	12 12 27	12 13 35
	MAR.	27 6 49	27 6 42
	APRIL	25 19 33	25 14 35
	MAY	25 8 17	24 23 10
	JUNE	23 21 1	23 9 27
	JULY	23 9 45	22 22 11
	AUG.	21 22 29	21 13 36
	○	5 16 51	5 14 50
	SEPT.	20 11 13	20 7 11
	OCT.	19 23 57	20 1 48
	NOV.	18 12 41	18 20 2
	DEC.	18 1 25	18 12 39

Mean Vernal Equinox.	Month.	Mean New Moon. (O Full Ecl.)	True New Moon. (O Full Ecl.)
B.C. 524. F. March. d. h. m. 27 5 4		d. h. m.	d. h. m.
	JAN. .	16 14 9	17 2 50
	FEB. .	15 2 58	15 14 21
	MAR. .	16 15 37	16 23 34
	APRIL	15 4 21	15 7 10
	MAY .	14 17 5	14 14 7
	JUNE .	13 5 49	12 21 26
	JULY .	12 18 33	12 6 15
	AUG. .	11 7 17	10 17 33
	SEPT. .	9 20 1	9 7 54
	OCT. .	9 8 45	9 1 6
	NOV. .	7 21 29	7 20 12
	DEC. .	7 10 13	7 15 38
523. E. 27 10 53	JAN. .	5 22 58	6 9 48
	O	20 17 20	20 12 9
	FEB. .	4 11 42	5 1 24
	MAR. .	6 0 26	6 13 56
	APRIL	4 13 10	4 23 40
	MAY .	4 1 54	4 7 23
	JUNE .	2 14 38	2 14 6
	JULY O	2 8 22	1 20 55
		16 21 44	17 1 20
		31 16 6	31 4 56
	AUG. .	30 4 50	29 15 9
	SEPT. .	28 17 34	28 4 14
	OCT. .	28 6 18	27 20 19
	NOV. .	26 19 2	26 14 43
	DEC. .	26 7 46	26 10 10
522. D. 27 16 42	O	10 2 8	10 2 43
	JAN. .	24 20 31	25 5 0
	FEB. .	23 9 15	23 21 43
	MAR. .	24 21 59	25 11 31
	APRIL	23 10 43	23 22 21
	MAY .	22 23 27	23 6 54
	JUNE .	21 12 11	21 14 9
	O	6 6 33	6 2 11
	JULY .	21 0 55	20 21 13
	AUG. .	19 13 39	19 5 9
	SEPT. .	18 2 23	17 14 48
	OCT. .	17 15 7	17 2 47
	NOV. .	16 8 51	15 17 21
	DEC. .	15 16 35	15 10 11
	O	30 10 57	30 18 33

Mean Vernal Equinox.	Month.	Mean New Moon. (O Full Ecl.)	True New Moon. (O Full Ecl.)
B.C. 521. C.B. March. d. h. m. 26 22 30		d. h. m.	d. h. m.
	JAN. .	14 5 19	14 4 25
	FEB. .	12 18 8	12 22 47
	MAR. .	13 6 47	13 15 57
	APRIL	11 19 31	12 6 54
	MAY .	11 8 15	11 19 16
	JUNE .	9 20 59	10 5 18
	O	24 15 21	24 4 38
	JULY .	9 9 48	9 18 51
	AUG. .	7 22 27	7 21 58
	SEPT. .	6 11 11	6 6 22
	OCT. .	5 23 55	5 16 1
	NOV. .	4 12 39	4 3 16
	DEC. .	4 1 23	3 16 18
520. A. 27 4 19	JAN. .	2 14 8	2 7 4
			31 23 11
	FEB. .	1 2 52	... ...
	MAR. .	2 15 36	2 16 2
	APRIL	1 4 20	1 8 42
		30 17 4	1 0 19
	MAY .	30 5 48	30 14 14
	JUNE .	28 18 32	29 2 16
	JULY .	28 7 16	28 12 47
	AUG. .	26 20 0	26 22 29
	SEPT. .	25 8 44	25 8 7
	OCT. .	24 21 28	24 18 15
	O	8 15 50	8 17 50
	NOV. .	28 10 12	28 5 8
	DEC. .	22 22 56	22 16 52
519. G. 27 10 8	JAN. .	21 11 41	21 5 30
	FEB. .	20 0 25	19 19 5
	MAR. .	21 13 9	21 9 37
	APRIL	20 1 53	20 0 55
	O	4 20 15	4 22 56
	MAY .	19 14 37	19 16 26
	JUNE .	18 3 21	18 7 31
	JULY .	17 16 5	17 21 38
	AUG. .	16 4 49	16 10 34
	SEPT. .	14 17 33	14 22 31
	OCT. .	14 6 17	14 9 50
	O	29 0 39	28 17 3
	NOV. .	12 19 1	12 20 52
	DEC. .	12 7 45	12 7 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 518. F. March. d. h. m. 27 15 57	JAN. .	10 20 29	10 18 28
	FEB. .	9 9 18	9 5 18
	MAR. .	10 21 57	10 16 20
	APRIL	9 10 41	9 4 21
	○	24 5 3	24 15 15
	MAY .	8 23 25	8 17 38
	JUNE .	7 12 9	7 8 18
	JULY .	7 0 53	6 23 45
	AUG. .	5 13 37	5 15 33
	SEPT. .	4 2 21	4 6 57
	OCT. .	3 15 5	3 21 28
	○	18 9 27	17 20 52
	NOV. .	2 3 49	2 10 53
	DEC. .	1 16 33	1 23 10
		31 5 17	31 10 20
517. E.D. 26 21 46	JAN. .	29 18 2	29 20 28
	FEB. .	28 6 46	28 5 48
	MAR. .	28 19 30	28 14 54
	APRIL	27 8 14	27 0 36
	MAY .	26 20 58	26 11 42
	JUNE .	25 9 42	25 0 47
	JULY .	24 22 26	24 15 57
	AUG. .	23 11 10	23 8 40
	SEPT. .	21 23 54	22 2 2
	OCT. .	21 12 38	21 19 1
	NOV. .	20 1 22	20 10 41
	DEC. .	19 14 6	20 0 31
516. C. 27 3 34	JAN. .	18 2 50	18 12 19
	FEB. .	16 15 34	16 22 12
	○	3 9 56	3 13 33
	MAR. .	18 4 18	18 6 41
	APRIL	16 17 2	16 14 24
	MAY .	16 5 46	15 22 20
	JUNE .	14 18 30	14 7 33
	JULY .	14 7 14	13 18 58
	AUG. .	12 19 58	12 9 7
	○	27 14 20	27 14 26
	SEPT. .	11 8 42	11 1 50
	OCT. .	10 21 26	10 20 16
	NOV. .	9 10 10	9 15 4
	DEC. .	8 22 54	9 8 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 515. B. March. d. h. m. 27 9 23	JAN. .	7 11 39	8 0 16
	FEB. .	6 0 23	6 18 2
	○	20 18 45	20 14 42
	MAR. .	7 13 7	7 23 13
	APRIL	6 1 51	6 7 23
	MAY .	5 14 35	5 14 25
	JUNE .	4 3 19	3 21 20
	JULY .	3 16 8	3 5 15
	AUG. ○	2 4 47	1 15 14
		16 23 9	17 4 31
		31 17 31	31 4 6
	SEPT. .	30 6 15	29 20 2
	OCT. .	29 18 59	29 14 26
	NOV. .	28 7 43	28 9 58
	DEC. .	27 20 27	28 4 58
514. A. 27 15 12	JAN. .	26 9 12	26 21 56
	○	10 3 34	9 22 15
	FEB. .	24 21 56	25 11 57
	MAR. .	26 10 40	26 22 57
	APRIL	24 23 24	25 7 28
	MAY .	24 12 8	24 14 31
	JUNE .	23 0 52	22 21 10
	JULY .	22 13 36	22 4 32
	○	6 7 58	6 12 9
	AUG. .	21 2 20	20 13 38
	SEPT. .	19 15 4	19 1 19
	OCT. .	19 3 48	18 15 58
	NOV. .	17 16 32	17 9 20
	DEC. .	17 5 16	17 4 24
513. G.F. 26 21 1	JAN. .	15 18 0	15 23 38
	FEB. .	14 6 44	14 17 27
	MAR. .	14 19 28	15 8 40
	APRIL	13 8 12	13 20 54
	MAY .	12 20 56	13 6 29
	JUNE .	11 9 40	11 14 18
	JULY .	10 22 24	10 21 26
	AUG. .	9 11 8	9 4 57
	SEPT. .	7 23 52	7 13 48
	OCT. .	7 12 36	7 0 40
	NOV. .	6 1 20	5 13 58
	DEC. .	5 14 4	5 5 39
	○	20 8 26	20 17 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 512. E. March. d. h. m. 27 2 49	JAN.	4 2 49	3 23 10
	FEB.	2 15 33	2 17 26
	MAR.	4 4 17	4 11 10
	APRIL	2 17 1	3 3 12
	MAY	2 5 45	2 16 51
		31 18 29	1 4 4
	○	15 12 51	15 1 57
	JUNE	30 7 13	30 13 22
	JULY	29 19 57	29 21 43
	AUG.	28 8 41	28 6 5
	SEPT.	26 21 25	26 15 17
	OCT.	26 10 9	26 1 48
	NOV.	24 22 53	24 13 56
	○	9 17 15	10 3 59
	DEC.	24 11 37	24 3 42
511. D. 27 8 38	JAN.	23 0 22	22 18 58
	FEB.	21 13 6	21 11 15
	MAR.	23 1 50	23 8 53
	APRIL	21 14 34	21 20 0
	MAY	21 3 18	21 10 49
	○	4 21 40	4 13 30
	JUNE	19 16 2	19 23 54
	JULY	19 4 46	19 11 20
	AUG.	17 17 30	17 21 35
	SEPT.	16 6 14	16 7 26
	OCT.	15 18 58	15 17 28
	NOV.	14 7 42	14 4 4
	○	29 2 4	29 7 24
	DEC.	13 20 26	13 15 20
510. C. 27 14 27	JAN.	12 9 10	12 3 18
	FEB.	10 21 54	10 16 7
	MAR.	12 10 38	12 5 53
	APRIL	10 23 22	10 20 35
	MAY	10 12 6	10 11 55
	○	25 6 28	25 6 0
	JUNE	9 0 50	9 3 17
	JULY	8 13 34	8 18 4
	AUG.	7 2 18	7 7 52
	SEPT.	5 15 2	5 20 34
	OCT.	5 3 46	5 8 26
	NOV.	3 16 30	3 19 47
	DEC.	3 5 14	3 6 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 509. B.A. March. d. h. m. 26 20 16	JAN.	1 17 59	1 17 32
		31 6 43	31 4 3
	FEB.	29 19 27	29 14 39
	MAR.	30 8 11	30 1 52
	○	14 2 33	14 14 27
	APRIL	28 20 55	28 14 14
	MAY	28 9 39	28 4 3
	JUNE	26 22 23	26 19 10
	JULY	26 11 7	26 11 4
	AUG.	24 23 51	25 3 0
	SEPT.	23 12 35	23 18 13
	○	3 6 57	7 18 3
	OCT.	23 1 19	23 8 33
	NOV.	21 14 3	21 21 34
	DEC.	21 2 47	21 9 20
508. G. 27 2 5	JAN.	19 15 32	19 19 51
	FEB.	18 4 16	18 5 20
	MAR.	19 17 0	19 14 15
	○	3 11 22	3 23 27
	APRIL	18 5 44	17 23 18
	MAY	17 18 23	17 9 25
	JUNE	16 7 12	15 21 21
	JULY	15 19 56	15 11 30
	AUG.	14 8 40	14 3 39
	SEPT.	12 21 24	12 21 2
	○	27 15 46	27 7 1
	OCT.	12 10 8	12 14 35
	NOV.	10 22 52	11 7 14
	DEC.	10 11 36	10 22 10
507. F. 27 7 54	JAN.	9 0 20	9 10 58
	FEB.	7 13 4	7 21 41
	MAR.	9 1 48	9 6 33
	○	23 20 10	24 1 30
	APRIL	7 14 32	7 14 26
	MAY	7 3 16	6 21 59
	JUNE	5 16 0	5 6 18
	JULY	5 4 44	4 16 23
	AUG.	3 17 28	3 5 15
	SEPT.	2 6 12	1 20 50
	○	17 0 34	16 23 11
	OCT.	1 18 56	1 14 42
		31 7 40	31 9 39
	NOV.	29 20 24	30 4 12
	DEC.	29 9 8	29 20 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 506. E. March. *d. h. m.* 27 13 42	JAN. .	27 21 53	28 11 7
	FEB. .	26 10 37	26 22 28
	MAR. .	27 23 21	28 7 25
	APRIL	26 12 5	26 14 46
	MAY .	26 0 49	25 21 32
	JUNE .	24 13 33	24 4 48
	JULY .	24 2 17	23 13 39
	AUG. .	22 15 1	22 1 3
	SEPT. .	21 8 45	20 15 33
	OCT. .	20 16 29	20 8 54
	NOV. .	19 5 13	19 4 7
	DEC. .	18 17 57	18 23 38
505. D.C. 26 19 31	JAN. .	17 6 42	17 17 46
	○	1 1 4	31 20 31
	FEB. .	15 19 26	16 9 15
	MAR. .	16 8 10	16 21 38
	APRIL	14 20 54	15 7 13
	MAY .	14 9 38	14 14 51
	JUNE .	12 22 22	12 21 34
	JULY .	12 11 6	12 4 29
	○	27 5 28	27 8 12
	AUG. .	10 23 50	10 12 42
	SEPT. .	9 12 34	8 23 7
	OCT. .	9 1 18	8 12 20
	NOV. .	7 14 2	7 4 25
	DEC. .	7 2 46	6 22 46
504. B. 27 1 20	JAN. .	5 15 30	5 18 1
	○	20 9 52	20 11 24
	FEB. .	4 4 14	4 12 36
	MAR. .	5 16 58	6 5 5
	APRIL	4 5 42	4 18 45
	MAY .	3 18 26	4 5 35
	JUNE .	2 7 10	2 14 12
	JULY ○	1 19 54	1 21 39
		16 14 16	16 8 47
		31 8 38	31 4 59
	AUG. .	29 21 22	29 13 14
	SEPT. .	28 10 6	27 23 9
	OCT. .	27 22 50	27 11 17
	NOV. .	26 11 34	26 1 45
	DEC. .	26 0 18	25 18 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 503. A. March. *d. h. m.* 27 7 9	○	9 18 41	10 3 18
	JAN. .	24 13 3	24 12 9
	FEB. .	23 1 47	23 6 5
	MAR. .	24 14 31	24 22 55
	APRIL	23 3 15	23 13 45
	MAY .	22 15 59	23 2 11
	JUNE .	21 4 43	21 12 30
	○	5 23 5	5 11 31
	JULY .	20 17 27	20 21 23
	AUG. .	19 6 11	19 5 51
	SEPT. .	17 18 55	17 14 46
	OCT. .	17 7 39	17 0 42
	NOV. .	15 20 23	15 12 4
	DEC. .	15 9 7	15 0 56
502. G. 27 12 58	JAN. .	13 21 51	13 15 16
	FEB. .	12 10 35	12 6 48
	MAR. .	13 23 19	13 23 5
	APRIL	12 12 3	12 15 28
	MAY .	12 0 47	12 6 52
	JUNE .	10 13 31	10 20 55
	JULY .	10 2 15	10 9 19
	AUG. .	8 14 59	8 20 21
	SEPT. .	7 3 43	7 6 35
	OCT. .	6 16 27	6 16 42
	NOV. .	5 5 11	5 3 7
	○	19 23 33	20 1 47
	DEC. .	4 17 55	4 14 4
501. F.E. 26 18 47	JAN. .	3 6 40	3 1 34
	FEB. .	1 19 24	1 13 42
	MAR. .	2 8 8	2 2 40
		31 20 52	31 16 37
	APRIL	30 9 36	30 7 30
	○	15 3 58	15 6 26
	MAY .	29 22 20	29 22 51
	JUNE .	28 11 4	28 14 6
	JULY .	27 23 48	28 4 38
	AUG. .	26 12 32	26 18 9
	SEPT. .	25 1 16	25 6 42
	OCT. .	24 14 0	24 18 31
	○	8 8 22	8 1 3
	NOV. .	23 2 44	23 5 49
	DEC. .	22 15 28	22 16 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 500. D. March. d. h. m. 27 0 35		d. h. m.	d. h. m.
	JAN.	21 4 13	21 8 6
	FEB.	19 16 57	19 18 23
	MAR.	21 5 41	20 23 56
	APRIL	19 18 25	19 11 24
	○	4 12 47	4 22 36
	MAY	19 7 9	19 0 17
	JUNE	17 19 58	17 14 43
	JULY	17 8 37	17 6 24
	AUG.	15 21 21	15 22 36
	SEPT.	14 10 5	14 14 34
	OCT.	13 22 49	14 5 41
	○	28 17 11	28 5 14
	NOV.	12 11 33	12 19 34
	DEC.	12 0 17	12 8 2
499. C. 27 6 24	JAN.	10 13 1	10 19 6
	FEB.	9 1 45	9 4 55
	MAR.	10 14 29	10 18 50
	APRIL	9 3 13	8 22 28
	MAY	8 15 57	8 7 43
	JUNE	7 4 41	6 18 31
	JULY	6 17 25	6 7 31
	AUG.	5 6 9	4 22 47
	SEPT.	3 18 53	3 15 51
	OCT.	3 7 37	3 9 41
	NOV.	1 20 21	2 3 9
	DEC.	1 9 5	1 19 11
		30 21 49	31 9 9
498. B. 27 12 13	JAN.	29 10 34	29 20 50
	FEB.	27 23 18	28 6 27
	○	14 17 40	14 20 35
	MAR.	29 12 2	29 14 33
	APRIL	28 0 46	27 21 56
	MAY	27 13 30	27 5 36
	JUNE	26 2 14	25 14 39
	JULY	25 14 58	25 2 3
	AUG.	24 3 42	23 16 19
	○	7 22 4	7 22 39
	SEPT.	22 16 26	22 9 17
	OCT.	22 5 10	22 4 2
	NOV.	20 17 54	20 23 7
	DEC.	20 6 38	20 17 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 497. A.G. March. d. h. m. 26 18 2		d. h. m.	d. h. m.
	JAN.	18 19 23	19 8 33
	FEB.	17 8 7	17 21 11
	○	3 2 29	2 22 8
	MAR.	17 20 51	18 7 8
	APRIL	16 9 35	16 15 4
	MAY	15 22 19	15 21 55
	JUNE	14 11 3	14 4 43
	JULY	13 23 47	13 12 40
	AUG.	12 12 31	11 22 46
	○	27 6 53	27 12 18
	SEPT.	11 1 15	10 11 46
	OCT.	10 13 59	10 3 50
	NOV.	9 2 43	8 22 21
	DEC.	8 15 27	8 17 57
496. F. 26 23 51	JAN.	7 4 11	7 12 56
	FEB.	5 16 55	6 5 46
	○	20 11 17	20 6 16
	MAR.	7 5 39	7 19 38
	APRIL	5 18 23	6 6 29
	MAY	5 7 7	5 14 54
	JUNE	3 19 51	3 21 56
	JULY	3 8 35	3 4 42
	AUG. ○	1 21 19	1 12 14
		16 15 41	16 19 19
		31 10 3	30 21 33
	SEPT.	29 22 47	29 9 25
	OCT.	29 11 31	29 0 8
	NOV.	28 0 15	27 17 27
	DEC.	27 12 59	27 12 19
495. E. 27 5 40	JAN.	26 1 44	26 7 18
	FEB.	24 14 28	25 0 51
	MAR.	26 3 12	26 15 54
	APRIL	24 15 56	25 4 4
	MAY	24 4 40	24 13 43
	JUNE	22 17 24	22 21 42
	JULY	22 6 8	22 5 6
	AUG.	20 18 52	20 12 57
	SEPT.	19 7 36	18 22 8
	OCT.	18 20 20	18 9 12
	NOV.	17 9 4	16 22 30
	DEC.	16 21 48	16 13 58
	○	31 16 11	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 494. D. March. *d. h. m.* 27 11 28	○	...	1 1 58
	JAN.	15 10 33	15 7 4
	FEB.	13 23 17	14 0 52
	MAR.	15 12 1	15 18 12
	APRIL	14 0 45	14 10 2
	MAY	13 13 29	13 23 41
	JUNE	12 2 13	12 11 6
	○	26 20 35	26 8 54
	JULY	11 14 57	11 20 45
	AUG.	10 3 41	10 5 32
	SEPT.	8 16 25	8 14 20
	OCT.	8 5 9	7 23 54
	NOV.	6 17 58	6 10 38
	DEC.	6 6 37	5 22 40
	○	21 0 59	21 12 22
493. C.B. 26 17 17	JAN.	4 19 21	4 12 7
	FEB.	3 8 5	3 2 50
	MAR.	3 20 49	3 18 32
	APRIL	2 9 33	2 10 41
	MAY	1 22 17	2 2 33
		31 11 1	31 17 24
	○	15 5 23	14 20 48
	JUNE	29 23 45	30 6 46
	JULY	29 12 29	29 18 50
	AUG.	28 1 13	28 5 29
	SEPT.	26 13 57	26 15 51
	OCT.	26 2 41	26 2 16
	NOV.	24 15 25	24 13 0
	○	9 9 47	9 15 26
	DEC.	24 4 9	24 0 9
492. A. 26 23 6	JAN.	22 16 54	22 11 46
	FEB.	21 5 38	20 23 59
	MAR.	22 18 22	22 13 8
	APRIL	21 7 6	21 3 19
	MAY	20 19 50	20 18 23
	○	4 14 12	4 13 26
	JUNE	19 8 34	19 9 47
	JULY	18 21 13	19 0 53
	AUG.	17 10 2	17 15 13
	SEPT.	15 22 46	16 4 32
	OCT.	15 11 30	15 16 58
	NOV.	14 0 14	14 4 39
	DEC.	13 12 53	13 15 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 491. G. March. *d. h. m.* 27 4 55	JAN.	12 1 42	12 2 17
	FEB.	10 14 26	10 12 24
	MAR.	12 8 10	11 22 28
	APRIL	10 15 54	10 9 7
	○	25 10 16	25 21 47
	MAY	10 4 38	9 21 1
	JUNE	8 17 22	8 10 35
	JULY	8 6 6	8 1 43
	AUG.	6 18 50	6 17 55
	SEPT.	5 7 34	5 10 21
	OCT.	4 20 18	5 2 15
	○	19 14 40	19 2 25
	NOV.	3 9 2	3 17 2
	DEC.	2 21 46	3 6 22
490. F. 27 10 44	JAN.	1 10 31	1 13 9
		30 23 15	31 4 26
	FEB.	...	...
	MAR.	1 11 59	1 13 32
		31 0 43	30 21 59
	○	14 19 5	15 6 24
	APRIL	29 13 27	29 6 37
	MAY	29 2 11	28 16 22
	JUNE	27 14 55	27 4 8
	JULY	27 3 39	26 18 17
	AUG.	25 16 23	25 10 42
	SEPT.	24 5 7	24 4 29
	○	8 23 29	8 15 36
	OCT.	23 17 51	23 22 32
	NOV.	22 6 35	22 15 35
	DEC.	21 19 19	22 6 44
489. E.D. 26 16 33	JAN.	20 8 4	20 19 32
	FEB.	18 20 48	19 6 0
	MAR.	19 9 32	19 14 37
	○	3 8 54	3 8 17
	APRIL	17 22 16	17 22 5
	MAY	17 11 0	17 5 20
	JUNE	15 23 44	15 13 29
	JULY	15 12 28	14 23 35
	AUG.	14 1 12	13 12 27
	SEPT.	12 13 56	12 4 14
	○	27 8 18	27 7 41
	OCT.	12 2 40	11 22 22
	NOV.	10 15 24	10 17 38
	DEC.	10 4 8	10 12 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 488. C. March. d. h. m. 26 22 21	JAN.	8 16 52	9 5 18
	FEB.	7 5 36	7 19 16
	MAR.	8 18 20	9 6 24
	APRIL	7 7 4	7 15 7
	MAY	6 19 48	6 22 17
	JUNE	5 8 32	5 4 56
	JULY	4 21 16	4 12 12
	AUG.	3 10 0	2 21 9
	SEPT.	1 22 44	1 8 42 30 23 21
	OCT.	1 11 28 31 0 12	30 16 49
	NOV.	29 12 56	29 12 6
	DEC.	29 1 40	29 7 34
487. B. 27 4 10	JAN.	27 14 25	28 1 35
	○	11 8 47	11 4 45
	FEB.	26 3 9	26 16 55
	MAR.	27 15 53	28 5 9
	APRIL	26 4 37	26 14 39
	MAY	25 17 21	25 22 14
	JUNE	24 6 5	24 5 2
	JULY	23 18 49	23 12 9
	○	7 13 11	7 15 10
	AUG.	22 7 33	21 20 35
	SEPT.	20 20 17	20 7 13
	OCT.	20 9 1	19 20 34
	NOV.	18 21 45	18 12 38
	DEC.	18 10 29	18 6 46
486. A. 27 9 59	JAN.	16 23 14	17 1 45
	○	31 17 36	31 20 0
	FEB.	15 11 58	15 20 1
	MAR.	17 0 42	17 12 19
	APRIL	15 13 26	16 1 53
	MAY	15 2 10	15 12 44
	JUNE	13 14 54	13 21 30
	JULY	13 3 38	13 5 12
	○	27 22 0	27 15 32
	AUG.	11 16 22	11 12 53
	SEPT.	10 5 6	9 21 28
	OCT.	9 17 50	9 7 41
	NOV.	8 6 34	7 19 53
	DEC.	7 19 18	7 10 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 485. G.F. March. d. h. m. 26 15 48	JAN.	6 8 2	6 2 23
	○	21 2 24	21 11 53
	FEB.	4 20 46	4 19 42
	MAR.	5 9 30	5 13 11
	APRIL	3 22 14	4 5 45
	MAY	3 10 58	3 20 31
	JUNE	1 23 42	2 9 4
	JULY ○	1 12 26 16 6 48 31 1 10	1 19 41 15 18 28 31 5 0
	AUG.	29 13 54	29 13 56
	SEPT.	28 2 38	27 23 15
	OCT.	27 15 22	27 9 29
	NOV.	26 4 6	25 20 53
	DEC.	25 16 50	25 9 31
484. E. 26 21 37	JAN.	24 5 35	23 23 23
	FEB.	22 18 19	22 14 20
	MAR.	24 7 8	24 6 4
	APRIL	22 19 47	22 22 0
	MAY	22 8 31	22 13 24
	JUNE	20 21 15	21 8 39
	JULY	20 9 59	20 16 28
	AUG.	18 22 43	19 4 1
	SEPT.	17 11 27	17 14 50
	OCT.	17 0 11	17 1 23
	NOV.	15 12 55	15 12 4
	○	30 7 17	30 9 47
	DEC.	15 1 39	14 22 59
483. D. 27 3 26	JAN.	13 14 24	13 10 12
	FEB.	12 3 8	11 21 49
	MAR.	13 15 52	13 10 10
	APRIL	12 4 36	11 23 34
	MAY	11 17 20	11 14 3
	○	26 11 42	26 13 28
	JUNE	10 6 4	10 5 18
	JULY	9 18 48	9 20 44
	AUG.	8 7 32	8 11 44
	SEPT.	6 20 16	7 1 51
	OCT.	6 9 0	6 15 1
	NOV.	4 21 44	5 3 17
	○	19 16 6	19 9 7
	DEC.	4 10 28	4 14 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 482. C. March. d. h. m. 27 9 14	JAN.	2 23 12	3 1 31
	FEB.	1 11 56	1 11 38
	MAR.	3 0 40	2 21 25
	APRIL	1 13 24	1 7 25
	MAY ○	1 2 8	30 18 23
		15 20 30	16 5 52
		30 14 52	30 6 55
	JUNE	29 3 36	28 21 15
	JULY	28 16 20	28 13 6
	AUG.	27 5 4	27 5 44
	SEPT.	25 17 48	25 22 17
	OCT.	25 6 32	25 13 57
	○ NOV.	9 0 54	8 18 40
		23 19 16	24 4 14
	DEC.	23 8 0	23 16 50
481. B.A. 26 15 3	JAN.	21 20 45	22 3 47
	FEB.	20 9 29	20 13 16
	MAR.	20 22 13	20 21 44
	APRIL	19 10 57	19 5 56
	MAY	18 23 41	18 14 51
	JUNE	17 12 25	17 1 24
	JULY	17 1 9	16 14 20
	AUG.	15 13 53	15 5 45
	SEPT.	14 2 37	13 23 9
	OCT.	13 15 21	13 17 28
	NOV.	12 4 5	12 11 22
	DEC.	11 16 49	12 3 40
480. G. 26 20 52	JAN.	10 5 34	10 17 41
	FEB.	8 18 18	9 5 13
	MAR.	10 7 2	10 14 32
	○	25 1 24	25 3 29
	APRIL	8 19 46	8 22 17
	MAY	8 8 30	8 5 23
	JUNE	6 21 14	6 12 53
	JULY	6 9 58	5 21 50
	AUG.	4 22 42	4 9 17
	SEPT.	3 11 26	2 23 41
	○	18 5 48	18 6 59
	OCT.	3 0 10	2 16 54
	NOV.	1 12 54	1 11 54
	DEC.	1 1 38	1 7 12
		30 14 22	31 1 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 479. F. March. d. h. m. 27 2 41	JAN.	29 3 6	29 16 40
	FEB.	27 15 50	28 5 9
	○ MAR.	14 10 12	14 5 27
		29 4 34	29 14 53
	APRIL	27 17 18	27 22 36
	MAY	27 6 2	27 5 20
	JUNE	25 18 46	25 12 9
	JULY	25 7 30	24 20 11
	AUG.	23 20 14	23 6 25
	○ SEPT.	7 14 36	7 20 9
		22 8 58	21 19 34
	OCT.	21 21 42	21 11 46
	NOV.	20 10 26	20 6 20
	DEC.	19 23 10	20 1 52
478. E. 27 8 30	JAN.	18 11 55	18 20 45
	FEB.	17 0 39	17 13 27
	○ MAR.	3 19 1	8 14 11
		18 13 23	19 3 9
	APRIL	17 2 7	17 13 53
	MAY	16 14 51	16 22 18
	JUNE	15 3 35	15 5 24
	JULY	14 16 19	14 12 19
	AUG.	13 5 3	12 20 6
	○ SEPT.	27 23 25	28 2 36
		11 17 47	11 5 40
	OCT.	11 6 31	10 17 41
	NOV.	9 19 15	9 8 26
	DEC.	9 7 59	9 1 35
477. D.C. 26 14 19	JAN.	7 20 43	7 20 9
	FEB.	6 9 27	6 14 47
	MAR.	6 22 11	7 8 4
	APRIL	5 10 55	5 22 58
	MAY	4 23 39	5 11 8
	JUNE	3 12 23	3 20 54
	JULY	3 1 7	3 5 8
	AUG.	1 13 51	1 12 52
	SEPT.	31 2 35	30 21 6
	OCT.	29 15 19	29 6 34
	NOV.	29 4 3	28 17 49
	DEC.	27 16 47	27 7 4
		27 5 31	26 22 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 476. B. March. *d. h. m.* 26 20 7	○	10 23 54	11 10 36
	JAN. .	25 18 16	25 14 51
	FEB. .	24 7 0	24 8 8
	MAR. .	25 19 44	26 1 5
	APRIL	24 8 28	24 16 45
	MAY .	23 21 12	24 6 27
	JUNE .	22 9 56	22 18 7
	○	7 4 18	6 15 55
	JULY .	21 22 40	22 4 11
	AUG. .	20 11 24	20 13 26
	SEPT. .	19 0 8	18 22 43
	OCT. .	18 12 52	18 8 36
	NOV. .	17 1 36	16 19 29
	DEC. .	16 14 20	16 7 25
	○	31 8 42	31 20 41
475. A. 27 1 56	JAN. .	15 3 5	14 20 28
	FEB. .	13 15 49	13 10 37
	MAR. .	15 4 33	15 1 42
	APRIL	13 17 17	13 17 24
	MAY .	13 6 1	13 9 1
	JUNE .	11 18 45	11 23 59
	○	26 13 7	26 4 10
	JULY .	11 7 29	11 13 41
	AUG. .	9 20 13	10 2 6
	SEPT. .	8 8 57	8 13 31
	OCT. .	7 21 41	8 0 24
	NOV. .	6 10 25	6 11 9
	DEC. .	5 23 9	5 21 59
	○	20 17 31	20 23 27
474. G. 27 7 45	JAN. .	4 11 53	4 8 56
	FEB. .	3 0 37	2 20 4
	MAR. .	4 13 21	4 7 43
	APRIL	3 2 5	2 20 16
	MAY .	2 14 49	2 9 59
	JUNE ○	1 3 33	1 0 49
		15 21 55	15 20 53
		30 16 17	30 16 18
	JULY .	30 5 1	30 7 46
	AUG. .	28 17 45	28 22 33
	SEPT. .	27 6 29	27 12 36
	OCT. .	26 19 13	27 1 33
	NOV. .	25 7 57	25 13 33
	DEC. .	24 20 41	25 0 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 473. F.E. March. *d. h. m.* 26 13 34	JAN. .	23 9 26	23 10 58
	FEB. .	21 22 10	21 20 38
	MAR. .	22 10 54	22 6 11
	APRIL	20 23 38	20 16 19
	MAY .	20 12 22	20 3 49
	JUNE .	19 1 6	18 17 11
	JULY .	18 13 50	18 8 22
	AUG. .	17 2 34	17 0 53
	SEPT. .	15 15 18	15 17 50
	OCT. .	15 4 2	15 10 19
	○	29 22 24	29 10 56
	NOV. .	13 16 46	14 1 33
	DEC. .	13 5 30	13 15 2
472. D. 26 19 23	JAN. .	11 13 15	12 2 53
	FEB. .	10 6 59	10 12 54
	MAR. .	11 19 43	11 21 36
	APRIL	10 8 27	10 5 37
	○	25 2 49	25 13 17
	MAY .	9 21 11	9 13 52
	JUNE .	8 9 55	7 23 22
	JULY .	7 22 39	7 11 0
	AUG. .	6 11 23	6 1 13
	SEPT. .	5 0 7	4 17 53
	OCT. .	4 12 51	4 12 7
	○	19 7 13	19 0 18
	NOV. .	3 1 35	3 6 34
	DEC. .	2 14 19	2 23 56
471. C. 27 1 12	JAN. .	1 3 3	1 15 13
		30 15 47	31 3 55
	FEB. .	...	...
	MAR. .	1 4 31	1 14 9
		30 17 15	30 22 26
	○	14 11 37	14 14 58
	APRIL	29 5 59	29 5 36
	MAY .	28 18 43	28 12 41
	JUNE .	27 7 27	26 20 43
	JULY .	26 20 11	26 6 50
	AUG. .	25 8 55	24 19 47
	SEPT. .	23 21 39	23 11 46
	○	8 16 1	8 16 16
	OCT. .	23 10 23	23 6 8
	NOV. .	21 23 7	22 1 36
	DEC. .	21 11 51	21 20 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 470. B. March. *d. h. m.* 27 7 0	JAN. .	20 0 36	20 13 19
	FEB. .	18 13 20	19 8 15
	MAR. .	20 2 4	20 14 11
	APRIL	18 14 48	18 22 43
	MAY .	18 8 32	18 5 46
	JUNE .	16 16 16	16 12 24
	JULY .	16 5 0	15 19 43
	AUG. .	14 17 44	14 4 49
	SEPT. .	13 6 28	12 16 32
	OCT. .	12 19 12	12 7 18
	NOV. .	11 7 56	11 0 50
	DEC. .	10 20 40	10 20 4
469. A.G. 26 12 48	JAN. .	9 9 24	9 15 28
	FEB. .	7 22 9	8 9 15
	○	22 16 31	22 12 54
	MAR. .	8 10 53	9 0 26
	APRIL	6 23 37	7 12 33
	MAY .	6 12 21	6 22 0
	JUNE .	5 1 5	5 5 38
	JULY .	4 13 49	4 12 35
	AUG. .	3 2 33	2 19 57
	○	17 20 55	17 22 13
	SEPT. .	1 15 17	1 4 33
	OCT. .	1 4 1	30 15 30
		30 16 45	30 4 55
	NOV. .	29 5 29	28 20 53
	DEC. .	28 18 13	28 14 45
468. F. 26 18 37	JAN. .	27 6 57	27 9 21
	○	11 1 19	11 4 26
	FEB. .	25 19 41	26 8 18
	MAR. .	27 8 25	27 19 23
	APRIL	25 21 9	26 8 53
	MAY .	25 9 53	25 19 49
	JUNE .	23 22 37	24 4 49
	JULY .	23 11 21	23 12 50
	○	7 5 43	6 22 23
	AUG. .	22 0 5	21 20 54
	SEPT. .	20 12 49	20 5 50
	OCT. .	20 1 33	19 16 17
	NOV. .	18 14 17	18 4 32
	DEC. .	18 3 1	17 18 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 467. E. March. *d. h. m.* 27 0 26	JAN. .	16 15 46	16 10 24
	○	31 10 8	31 20 23
	FEB. .	15 4 30	15 3 12
	MAR. .	16 17 14	16 20 13
	APRIL	15 5 58	15 12 29
	MAY .	14 18 42	15 3 12
	JUNE .	13 7 26	13 15 58
	JULY .	12 20 10	13 2 56
	○	27 14 32	27 1 34
	AUG. .	11 8 54	11 12 44
	SEPT. .	9 21 38	9 22 9
	OCT. .	9 10 22	9 7 58
	NOV. .	7 23 6	7 18 22
	DEC. .	7 11 50	7 5 45
466. D. 27 6 15	JAN. .	6 0 35	5 18 6
	FEB. .	4 13 19	4 7 25
	MAR. .	6 2 3	5 21 45
	APRIL	4 14 47	4 12 56
	MAY .	4 3 31	4 4 32
	JUNE .	2 16 15	2 19 52
	JULY .	2 4 59	2 10 22
		31 17 43	31 23 40
	AUG. .	30 6 27	30 11 49
	SEPT. .	28 19 11	28 23 11
	OCT. .	28 7 55	28 10 11
	NOV. .	26 20 39	26 21 3
	○	11 15 1	11 17 46
	DEC. .	26 9 23	26 7 53
465. C.B. 26 12 4	JAN. .	24 22 7	24 18 44
	FEB. .	23 10 51	23 5 48
	MAR. .	23 23 25	23 17 33
	APRIL	22 12 19	22 6 24
	MAY .	22 1 3	21 20 33
	○	5 19 25	5 21 18
	JUNE .	20 13 47	20 11 44
	JULY .	20 2 31	20 3 26
	AUG. .	18 15 15	18 18 56
	SEPT. .	17 3 59	17 9 40
	OCT. .	16 16 43	16 23 24
	NOV. .	15 5 27	15 12 3
	○	29 23 49	29 17 13
	DEC. .	14 18 11	14 23 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 464.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 26 17 53	JAN.	13 6 56	13 10 18
	FEB.	11 19 40	11 20 3
	MAR.	13 8 24	13 5 20
	APRIL	11 21 8	11 14 50
	MAY	11 9 52	11 1 20
	○	26 4 14	26 13 6
	JUNE	9 22 36	9 13 36
	JULY	9 11 20	9 3 53
	AUG.	8 0 4	7 19 57
	SEPT.	6 12 48	6 13 2
	OCT.	6 1 32	6 6 7
	NOV.	4 14 16	4 22 19
	○	19 8 38	18 22 12
	DEC.	4 3 0	4 12 54
463. G. 26 23 41	JAN.	2 15 44	3 1 34
	FEB.	1 4 28	1 12 21
	MAR.	2 17 12	2 21 27
	APRIL	1 5 56	1 5 30
		30 18 40	30 13 21
	MAY	30 7 24	29 21 57
	JUNE	28 20 8	28 8 21
	JULY	28 8 52	27 21 16
	AUG.	26 21 36	26 12 53
	SEPT.	25 10 20	25 6 36
	OCT.	24 23 4	25 1 18
	NOV.	23 11 48	23 19 33
	DEC.	23 0 32	23 12 4
462. F. 27 5 33	JAN.	21 13 17	22 2 5
	FEB.	20 2 1	20 13 24
	MAR.	21 14 45	21 22 27
	APRIL	20 3 29	20 5 55
	MAY	19 16 13	19 12 48
	JUNE	18 4 57	17 20 10
	JULY	17 17 41	17 5 8
	AUG.	16 6 25	15 16 38
	SEPT.	14 19 9	14 7 13
	○	29 13 31	29 15 24
	OCT.	14 7 53	14 0 36
	NOV.	12 20 37	12 19 48
	DEC.	12 9 21	12 15 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 461.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 26 11 19	JAN.	10 22 5	11 9 14
	FEB.	9 10 50	10 0 38
	MAR.	9 23 34	10 12 57
	○	24 17 56	24 12 41
	APRIL	8 12 18	8 22 30
	MAY	8 1 2	8 6 6
	JUNE	6 13 46	6 12 47
	JULY	6 2 30	5 19 41
	AUG.	4 15 14	4 3 50
	SEPT.	3 3 58	2 14 15
	○	17 22 20	18 4 8
	OCT.	2 16 42	2 3 33
	NOV.	1 5 26	31 19 49
		30 18 10	30 14 20
	DEC.	30 6 54	30 9 45
460. C. 26 17 8	JAN.	28 19 38	29 4 27
	FEB.	27 8 22	27 20 57
	○	14 2 44	13 21 57
	MAR.	28 21 6	29 10 32
	APRIL	27 9 50	27 21 11
	MAY	26 22 34	27 5 37
	JUNE	25 11 18	25 12 52
	JULY	25 0 2	24 20 0
	AUG.	23 12 46	23 4 4
	○	7 7 8	7 10 1
	SEPT.	22 1 30	21 13 54
	OCT.	21 14 14	21 2 5
	NOV.	20 2 58	19 16 47
	DEC.	19 15 42	19 9 42
459. B. 26 22 57	JAN.	18 4 27	18 3 55
	FEB.	16 17 11	16 22 11
	MAR.	18 5 55	18 15 10
	APRIL	16 18 39	17 5 56
	MAY	16 7 23	16 18 8
	JUNE	14 20 7	15 4 6
	JULY	14 8 51	14 12 39
	AUG.	12 21 35	12 20 45
	SEPT.	11 10 19	11 5 23
	OCT.	10 23 3	10 15 10
	NOV.	9 11 47	9 2 34
	DEC.	9 0 31	8 15 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 458. A. March. *d. h. m.* 27 4 46	JAN.	7 18 16	7 6 28
	○	22 7 33	22 19 8
	FEB.	6 2 0	5 22 33
	MAR.	7 14 44	7 15 19
	APRIL	6 8 28	6 7 52
	MAY	5 16 12	5 23 22
	JUNE	4 4 56	4 13 11
	JULY	3 17 40	4 1 10
	○	18 12 2	17 23 5
	AUG.	2 6 24	2 11 43
		31 19 8	31 21 29
	SEPT.	30 7 52	30 7 13
	OCT.	29 20 36	29 17 28
	NOV.	28 9 20	28 4 24
	DEC.	27 22 4	27 16 9
457. G.F. 26 10 34	○	11 16 26	12 4 55
	JAN.	26 10 48	26 4 44
	FEB.	24 23 32	24 18 16
	MAR.	25 12 16	25 8 45
	APRIL	24 1 0	24 0 0
	MAY	23 13 44	23 15 28
	JUNE	22 2 28	22 6 33
	○	6 20 50	6 11 36
	JULY	21 15 12	21 20 39
	AUG.	20 3 56	20 9 39
	SEPT.	18 16 40	18 21 39
	OCT.	18 5 24	18 9 1
	NOV.	16 18 8	16 20 6
	DEC.	16 6 52	16 6 56
	○	31 1 14	31 7 21
456. E. 26 16 23	JAN.	14 19 37	14 17 39
	FEB.	13 8 21	13 4 18
	MAR.	14 21 5	14 15 22
	APRIL	13 9 49	13 8 21
	MAY	12 22 33	12 16 38
	JUNE	11 11 17	11 7 17
	○	26 5 39	26 4 24
	JULY	11 0 1	10 22 52
	AUG.	9 12 45	9 14 45
	SEPT.	8 1 29	8 6 12
	OCT.	7 14 13	7 20 46
	NOV.	6 2 57	6 10 12
	DEC.	5 15 41	5 22 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 455. D. March. *d. h. m.* 26 22 12	JAN.	4 4 26	4 9 33
	FEB.	2 17 10	2 19 31
	MAR.	4 5 54	4 4 45
	APRIL	2 18 33	2 13 47
	MAY	2 7 22	1 23 28
		31 20 6	31 10 37
	JUNE	30 8 50	29 23 50
	JULY	29 21 34	29 15 8
	AUG.	28 10 18	28 7 59
	SEPT.	26 23 2	27 1 27
	OCT.	26 11 46	26 18 28
	○	10 6 8	9 19 33
	NOV.	25 0 30	25 10 6
	DEC.	24 13 14	24 23 50
454. C. 27 4 1	JAN.	23 1 58	23 11 27
	FEB.	21 14 42	21 21 12
	MAR.	23 3 26	23 5 31
	APRIL	21 16 10	21 13 10
	○	6 10 32	6 20 1
	MAY	21 4 54	20 21 6
	JUNE	19 17 38	19 6 24
	JULY	19 6 22	18 17 59
	AUG.	17 19 6	17 8 20
	SEPT.	16 7 50	16 1 15
	OCT.	15 20 34	15 19 48
	○	30 14 56	30 9 5
	NOV.	14 9 18	14 14 37
	DEC.	13 22 2	14 8 14
453. B.A. 26 9 50	JAN.	12 10 47	12 23 36
	FEB.	10 23 31	11 12 10
	MAR.	11 12 15	11 22 10
	APRIL	10 0 59	10 6 10
	○	24 19 21	24 21 32
	MAY	9 13 43	9 18 7
	JUNE	8 2 27	7 20 3
	JULY	7 15 11	7 4 4
	AUG.	6 8 55	5 14 14
	SEPT.	4 16 39	4 8 19
	OCT.	4 5 23	3 19 28
	○	18 23 45	19 0 59
	NOV.	2 18 7	2 14 1
	DEC.	2 6 51	2 9 35
		31 19 35	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 452. G. March.	JAN. .	...	1 4 29
		30 8 19	30 21 16
	FEB. .	28 21 4	...
d. h. m.			1 11 4
26 15 39	MAR. .	30 9 48	30 21 50
	APRIL	28 22 32	29 6 14
	MAY .	28 11 16	28 13 13
	JUNE .	27 0 0	26 19 58
	JULY .	26 12 44	26 8 21
	AUG. .	25 1 28	24 12 38
	SEPT. .	23 14 12	23 0 32
	OCT. .	23 2 56	22 15 25
	NOV. .	21 15 40	21 8 55
	DEC. .	21 4 24	21 4 0
451. F.	JAN. .	19 17 8	19 23 10
	FEB. .	18 5 52	18 16 46
	○	5 0 14	4 20 54
26 21 27	MAR. .	19 18 36	20 7 46
	APRIL	18 7 20	18 19 48
	MAY .	17 20 4	18 5 16
	JUNE .	16 8 48	16 13 1
	JULY .	15 21 32	15 20 11
	AUG. .	14 10 16	14 3 49
	○	29 4 38	29 5 24
	SEPT. .	12 23 0	12 12 51
	OCT. .	12 11 44	11 23 54
	NOV. .	11 0 28	10 13 23
	DEC. .	10 13 12	10 5 9
450. E.	JAN. .	9 1 57	8 22 41
	FEB. .	7 14 41	7 16 52
	○	22 9 8	22 12 45
27 8 16	MAR. .	9 8 25	9 10 27
	APRIL	7 16 9	8 2 18
	MAY .	7 4 53	7 15 48
	JUNE .	5 17 37	6 2 53
	JULY .	5 6 21	5 12 10
	AUG. .	3 19 5	3 20 34
	○	18 13 27	18 5 24
	SEPT. .	2 7 49	2 5 8
	OCT. .	1 20 33	1 14 22
		31 9 17	31 1 2
	NOV. .	29 22 1	29 13 16
	DEC. .	29 10 45	29 3 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 449. D.C. March.	JAN. .	27 23 29	27 18 19
	○	11 17 51	12 4 43
	FEB. .	26 12 13	26 10 33
d. h. m.			
26 9 5	MAR. .	27 0 57	27 3 4
	APRIL	25 13 41	25 19 5
	MAY .	25 2 25	25 9 48
	JUNE .	23 15 9	23 22 49
	JULY .	23 3 53	23 10 15
	○	6 22 15	6 8 48
	AUG. .	21 16 37	21 20 34
	SEPT. .	20 5 21	20 6 30
	OCT. .	19 18 5	19 16 38
	NOV. .	18 6 49	18 3 18
	DEC. .	17 19 33	17 14 35
448. B.	JAN. .	16 8 18	16 2 33
	FEB. .	14 21 2	14 15 19
26 14 54	MAR. .	16 9 46	16 5 2
	APRIL	14 22 30	14 19 41
	MAY .	14 11 14	14 10 59
	JUNE .	12 23 58	13 2 21
	JULY .	12 12 42	12 17 9
	AUG. .	11 1 26	11 6 57
	SEPT. .	9 14 10	9 19 42
	OCT. .	9 2 54	9 7 38
	NOV. .	7 15 38	7 19 1
	DEC. .	7 4 22	7 6 2
	○	21 22 44	22 1 40
447. A.	JAN. .	5 17 7	5 16 42
	FEB. .	4 5 51	4 3 9
26 20 43	MAR. .	5 18 35	5 13 42
	APRIL	4 7 19	4 0 51
	MAY .	3 20 3	3 13 13
	JUNE .	2 8 47	2 3 4
	○	17 3 9	17 4 45
	JULY .	1 21 31	1 18 16
		31 10 15	31 10 14
	AUG. .	29 22 59	30 2 14
	SEPT. .	28 11 43	28 17 35
	OCT. .	28 0 27	28 7 53
	NOV. .	26 13 11	26 20 53
	○	11 7 33	11 1 21
	DEC. .	26 1 55	26 8 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 446.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 27 2 31	JAN.	24 14 39	24 18 57
	FEB.	23 8 23	23 4 19
	MAR.	21 16 7	24 13 8
	APRIL	23 4 51	22 22 8
	MAY	22 17 35	22 8 16
	○	6 11 57	6 20 18
	JUNE	21 6 19	20 20 19
	JULY	20 19 8	20 10 36
	AUG.	19 7 47	19 2 55
	SEPT.	17 20 31	17 20 24
	OCT.	17 9 15	17 14 2
	NOV.	15 21 59	16 6 40
	○	30 16 21	30 6 45
	DEC.	15 10 43	15 21 31
445. F.E. 26 8 20	JAN.	13 23 28	14 10 13
	FEB.	12 12 12	12 20 45
	MAR.	13 0 56	13 5 31
	APRIL	11 13 40	11 13 13
	MAY	11 2 24	10 20 43
	○	25 20 46	26 5 55
	JUNE	9 15 8	9 5 6
	JULY	9 3 52	8 15 24
	AUG.	7 16 36	7 4 22
	SEPT.	6 5 20	5 20 10
	OCT.	5 18 4	5 14 12
	NOV.	4 6 48	4 9 14
	DEC.	3 19 32	4 3 46
444. D. 26 14 9	JAN.	2 8 17	2 20 21
		31 21 1	...
	FEB.	...	1 10 21
	MAR.	2 9 45	2 21 28
		31 22 29	1 6 15
	APRIL	30 11 13	30 13 30
	MAY	29 23 57	29 20 13
	JUNE	23 12 41	28 3 33
	JULY	28 1 25	27 12 33
	AUG.	26 14 9	26 0 12
	SEPT.	25 2 53	24 14 54
	○	9 21 15	9 23 59
	OCT.	24 15 37	24 8 27
	NOV.	23 4 21	23 3 45
	DEC.	22 17 5	22 23 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 443.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 26 19 58	JAN.	21 5 49	21 17 10
	FEB.	19 18 33	20 8 26
	MAR.	21 7 17	21 20 36
	○	5 1 39	4 19 48
	APRIL	19 20 1	20 6 1
	MAY	19 8 45	19 13 32
	JUNE	17 21 29	17 20 14
	JULY	17 10 13	17 3 15
	AUG.	15 22 57	15 11 37
	SEPT.	14 11 41	13 22 15
	○	29 6 8	29 12 13
	OCT.	14 0 25	13 11 40
	NOV.	12 13 9	12 3 57
	DEC.	12 1 53	11 22 22
442. B. 27 1 47	JAN.	10 14 38	10 17 34
	FEB.	9 3 22	9 11 59
	MAR.	10 16 6	11 4 17
	○	25 10 28	25 5 33
	APRIL	9 4 50	9 17 45
	MAY	8 17 34	9 4 25
	JUNE	7 6 18	7 12 56
	JULY	6 19 2	6 20 22
	AUG.	5 7 46	5 3 48
	SEPT.	3 20 30	3 12 13
	○	18 14 52	18 17 31
	OCT.	3 9 14	2 22 19
	NOV.	1 21 58	1 10 36
	DEC.	1 10 42	1 1 13
		30 23 26	30 17 43
441. A.G. 26 7 36	JAN.	29 12 11	29 11 35
	FEB.	28 0 55	28 5 25
	MAR.	28 13 39	28 22 6
	APRIL	27 2 23	27 12 47
	MAY	26 15 7	27 1 5
	JUNE	25 3 51	25 11 19
	JULY	24 16 35	24 20 14
	AUG.	23 5 19	23 4 47
	SEPT.	21 18 3	21 13 49
	OCT.	21 6 47	20 23 54
	NOV.	19 19 31	19 11 22
	DEC.	19 8 15	19 0 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 440. F. March. *d. h. m.* 26 18 24	JAN.	17 20 59	17 14 37
	○	1 15 21	2 8 29
	FEB.	16 9 48	16 6 7
	MAR.	17 22 27	17 22 19
	APRIL	16 11 11	16 14 31
	MAY	15 23 55	16 5 55
	JUNE	14 12 39	14 19 54
	JULY	14 1 23	14 8 16
	○	28 19 45	23 6 20
	AUG.	12 14 7	12 19 19
	SEPT.	11 2 51	11 5 33
	OCT.	10 15 35	10 15 50
	NOV.	9 4 19	9 2 22
	DEC.	8 17 3	8 13 19
439. E. 26 19 13	JAN.	7 5 48	7 0 49
	○	22 0 10	22 13 0
	FEB.	5 18 32	5 12 54
	MAR.	7 7 16	7 1 49
	APRIL	5 20 0	5 15 44
	MAY	5 8 44	5 6 34
	JUNE	3 21 28	3 21 56
	JULY	3 10 12	3 13 10
	○	18 4 34	17 19 8
	AUG.	1 22 56	2 3 43
		31 11 40	31 17 18
	SEPT.	30 0 24	30 5 54
	OCT.	29 13 8	29 17 46
	NOV.	28 1 52	28 5 3
	DEC.	27 14 36	27 15 51
438. D. 27 1 2	○	11 8 58	11 15 11
	JAN.	26 3 21	26 2 14
	FEB.	24 16 5	24 12 25
	MAR.	26 4 49	25 22 55
	APRIL	24 17 33	24 10 21
	MAY	24 6 17	23 23 16
	JUNE	22 19 1	22 13 48
	○	7 13 23	7 11 57
	JULY	22 7 45	22 5 33
	AUG.	20 20 29	20 21 51
	SEPT.	19 9 13	19 13 54
	OCT.	18 21 57	19 5 2
	NOV.	17 10 41	17 18 54
	DEC.	16 23 25	17 7 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 437. C.B. March. *d. h. m.* 26 6 51	JAN.	15 12 9	15 18 16
	FEB.	14 0 53	14 3 57
	MAR.	14 13 37	14 12 43
	APRIL	13 2 21	12 21 18
	MAY	12 15 5	12 6 34
	JUNE	11 3 49	10 17 26
	JULY	10 16 33	10 6 34
	AUG.	9 5 17	8 22 0
	SEPT.	7 18 1	7 15 12
	OCT.	7 6 45	7 9 9
	NOV.	5 19 29	6 2 39
	○	20 13 51	20 4 13
	DEC.	5 8 13	5 18 37
436. A. 26 12 40	JAN.	3 20 58	4 8 27
	FEB.	2 9 42	2 19 57
	MAR.	3 22 23	4 5 23
	APRIL	2 11 10	2 13 20
	MAY ○	1 23 54	1 20 40
		16 18 16	17 2 42
		31 12 38	31 4 21
	JUNE	30 1 22	29 13 30
	JULY	29 14 6	29 1 6
	AUG.	28 2 50	27 15 34
	SEPT.	26 15 34	26 8 44
	OCT.	26 4 18	26 3 36
	○	9 22 40	9 18 0
	NOV.	24 17 2	24 22 48
	DEC.	24 5 46	24 16 30
435. G. 26 18 29	JAN.	22 18 30	23 7 50
	FEB.	21 7 14	21 20 15
	MAR.	22 19 58	23 6 1
	APRIL	21 8 42	21 13 48
	○	6 3 4	6 4 2
	MAY	20 21 26	20 20 33
	JUNE	19 10 10	19 3 25
	JULY	18 22 54	18 11 29
	AUG.	17 11 38	16 21 46
	SEPT.	16 0 22	15 11 0
	OCT.	15 13 6	15 3 17
	○	30 7 28	30 9 46
	NOV.	14 1 50	13 21 57
	DEC.	13 14 34	13 17 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 434. F. March. d. h. m. 27 0 17		d. h. m.	d. h. m.
	JAN.	12 8 19	12 12 25
	FEB.	10 16 3	11 5 4
	MAR.	12 4 47	12 18 42
	APRIL	10 17 31	11 5 21
	MAY	10 6 15	10 13 39
	JUNE	8 18 59	8 20 38
	JULY	8 7 43	8 3 25
	AUG.	6 20 27	6 11 6
	SEPT.	5 9 11	4 20 36
	OCT.	4 21 55	4 8 41
	NOV.	3 10 39	2 23 36
	DEC.	2 23 23	2 17 1
433. E.D. 26 6 6	JAN.	1 12 8 31 0 52	1 11 55 31 6 46
	FEB.	29 13 36	1 0 8
	○	15 7 58	15 4 48
	MAR.	30 2 20	30 14 58
	APRIL	28 15 4	29 2 58
	MAY	28 3 48	28 12 30
	JUNE	26 16 32	26 20 26
	JULY	26 5 16	26 3 54
	AUG.	24 18 0	24 11 53
	SEPT.	23 6 44	22 21 13
	OCT.	22 19 28	22 8 27
	NOV.	21 8 12	20 21 54
	DEC.	20 20 56	20 13 26
432. C. 23 11 55	JAN.	19 9 40	19 6 31
	FEB.	17 22 24	18 0 13
	○	4 16 46	4 20 55
	MAR.	19 11 8	19 17 26
	APRIL	17 23 52	18 9 6
	MAY	17 12 36	17 22 36
	JUNE	16 1 20	16 9 55
	JULY	15 14 4	15 19 35
	AUG.	14 2 48	14 4 25
	○	28 21 10	28 12 31
	SEPT.	12 15 32	12 13 21
	OCT.	12 4 16	11 23 2
	NOV.	10 17 0	10 9 51
	DEC.	10 5 44	9 21 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 431. B. March. d. h. m. 26 17 44		d. h. m.	d. h. m.
	JAN.	8 18 29	8 11 27
	FEB.	7 7 13	7 2 9
	○	22 1 35	22 12 55
	MAR.	8 19 57	8 17 47
	APRIL	7 8 41	7 9 51
	MAY	6 21 25	7 1 39
	JUNE	5 10 9	5 16 24
	JULY	4 22 53	5 5 45
	AUG.	3 11 37	3 17 39
	○	18 5 59	17 16 12
	SEPT.	2 0 21	2 4 31
	OCT.	1 13 5 31 1 49	1 14 59 31 1 28
	NOV.	29 14 33	29 12 15
	DEC.	29 3 17	28 23 23
430. A. 26 23 33	JAN.	27 16 2	27 10 57
	FEB.	26 4 46	25 23 8
	MAR.	27 17 30	27 12 13
	APRIL	26 6 14	26 2 24
	MAY	25 18 58	25 17 27
	JUNE	24 7 42	24 8 51
	JULY	23 20 26	24 0 0
	AUG.	22 9 10	22 14 21
	SEPT.	20 21 54	21 3 44
	OCT.	20 10 33	20 16 12
	NOV.	18 23 22	19 3 55
	DEC.	18 12 6	18 14 59
429. G.F. 26 5 22	○	2 6 28	2 9 33
	JAN.	17 0 50	17 1 26
	FEB.	15 13 34	15 11 27
	MAR.	16 2 18	15 21 23
	APRIL	14 15 2	14 8 3
	MAY	14 3 46	13 19 59
	JUNE	12 16 30	12 9 36
	○	27 10 52	27 12 13
	JULY	12 5 14	12 0 50
	AUG.	10 17 58	10 17 8
	SEPT.	9 6 42	9 9 39
	OCT.	8 19 26	9 1 37
	NOV.	7 8 10	7 16 24
	DEC.	6 20 54	7 5 41
	○	21 15 16	21 9 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 428. E. March. d. h. m. 26 11 10	JAN.	5 9 39	5 17 22
	FEB.	3 22 23	4 8 31
	MAR.	5 11 7	5 12 29
	APRIL	3 23 51	3 20 49
	MAY	3 12 35	3 5 25
	JUNE	2 1 19	1 15 13
	○	16 19 41	17 3 30
	JULY	1 14 8	1 3 6
		31 2 47	30 17 27
	AUG.	29 15 31	29 10 1
	SEPT.	28 4 15	28 3 57
	OCT.	27 16 59	27 22 3
	NOV.	26 5 43	26 15 3
	○	11 0 5	10 15 21
	DEC.	25 18 27	26 6 6
427 D. 26 16 59	JAN.	24 7 12	24 18 43
	FEB.	22 19 56	23 5 1
	MAR.	24 8 40	24 13 28
	APRIL	22 21 24	22 20 49
	MAY	22 10 8	22 4 4
	○	6 4 30	6 12 40
	JUNE	20 22 52	20 12 17
	JULY	20 11 36	19 22 33
	AUG.	19 0 20	18 11 36
	SEPT.	17 13 4	17 3 36
	OCT.	17 1 48	16 21 55
	NOV.	15 14 32	15 17 13
	DEC.	15 3 16	15 11 56
426. C. 26 22 48	JAN.	13 16 0	14 4 36
	FEB.	12 4 44	12 18 26
	MAR.	13 17 28	14 5 21
	APRIL	12 6 12	12 13 55
	MAY	11 18 56	11 20 58
	JUNE	10 7 40	10 3 38
	JULY	9 20 24	9 10 58
	AUG.	8 9 8	7 20 5
	SEPT.	6 21 52	6 7 53
	OCT.	6 10 36	5 22 44
	○	21 4 58	21 8 39
	NOV.	4 23 20	4 16 24
	DEC.	4 12 4	4 11 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 425. B.A. March. d. h. m. 26 4 37	JAN.	3 0 49	3 7 8
	FEB.	1 13 33	2 0 59
	MAR.	2 2 17	2 16 5
		31 15 1	1 4 7
	○	15 9 23	15 2 51
	APRIL	30 3 45	30 13 25
	MAY	29 16 29	29 20 57
	JUNE	28 5 13	28 3 45
	JULY	27 17 57	27 10 58
	AUG.	26 6 41	25 19 35
	SEPT.	24 19 25	24 6 24
	○	9 13 47	9 20 26
	OCT.	24 8 9	23 19 56
	NOV.	22 20 53	22 12 9
	DEC.	22 9 37	22 6 21
424. G. 26 10 26	JAN.	20 22 22	21 1 16
	FEB.	19 11 6	19 19 23
	MAR.	20 23 50	21 11 28
	○	4 18 12	4 13 14
	APRIL	19 12 34	20 0 51
	MAY	19 1 18	19 11 33
	JUNE	17 14 2	17 20 16
	JULY	17 2 46	17 3 58
	AUG.	15 15 30	15 11 46
	SEPT.	14 4 14	13 20 30
	○	28 22 36	29 1 9
	OCT.	13 16 58	13 6 51
	NOV.	12 5 42	11 19 13
	DEC.	11 18 26	11 9 38
423. F. 26 16 15	JAN.	10 7 10	10 1 50
	FEB.	8 19 54	8 19 7
	MAR.	10 8 38	10 12 28
	APRIL	8 21 22	9 4 54
	MAY	8 10 6	8 19 31
	JUNE	6 22 50	7 7 59
	JULY	6 11 34	6 18 32
	AUG.	5 0 18	5 3 54
	SEPT.	3 13 2	3 12 55
	OCT.	3 1 46	2 22 22
	NOV.	1 14 30	1 8 42
			30 20 11
	DEC.	1 3 14	
		30 15 58	30 8 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 422. E. March. *d. h. m.* 26 22 8	JAN. .	29 4 48	28 22 40
	○	12 23 5	13 11 44
	FEB. .	27 17 27	27 13 35
	MAR. .	29 6 11	29 5 15
	APRIL	27 18 55	27 21 6
	MAY .	27 7 39	27 12 27
	JUNE .	25 20 23	26 2 39
	JULY .	25 9 7	25 15 27
	○	9 8 29	8 13 45
	AUG. .	28 21 51	24 3 4
	SEPT. .	22 10 35	22 13 57
	OCT. .	21 23 19	22 0 34
	NOV. .	20 12 3	20 11 19
	DEC. .	20 0 47	19 22 14
421. D.C. 26 3 52	JAN. .	18 13 31	18 9 23
	○	2 7 53	2 20 56
	FEB. .	17 2 15	16 20 57
	MAR. .	17 14 59	17 9 14
	APRIL	16 3 43	15 22 37
	MAY .	15 16 27	15 13 4
	JUNE .	14 5 11	14 4 22
	JULY .	13 17 55	13 19 50
	○	28 12 17	28 2 46
	AUG. .	12 6 39	12 10 52
	SEPT. .	10 19 23	11 1 8
	OCT. .	10 8 7	10 14 15
	NOV. .	8 20 51	9 2 31
	DEC. .	8 9 35	8 14 0
420. B. 23 9 41	JAN. .	6 22 20	7 0 42
	○	21 16 42	21 22 53
	FEB. .	5 11 4	5 10 43
	MAR. .	6 23 48	6 20 24
	APRIL	5 12 32	5 6 20
	MAY .	5 1 16	4 17 18
	JUNE .	3 14 0	3 5 54
	JULY .	3 2 44	2 20 20
	○	17 21 6	17 19 34
	AUG. .	1 15 28	1 12 18
		31 4 12	31 5 2
	SEPT. .	29 16 56	29 21 40
	OCT. .	29 5 40	29 13 21
	NOV. .	27 18 24	28 3 35
	DEC. .	27 7 8	27 16 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 419. A. March. *d. h. m.* 26 15 30	JAN. .	25 19 53	26 2 55
	FEB. .	24 8 37	24 12 15
	MAR. .	25 21 21	25 20 36
	APRIL	24 10 5	24 4 44
	MAY .	23 22 49	23 13 39
	JUNE .	22 11 33	22 0 20
	JULY .	22 0 17	21 13 25
	AUG. .	20 13 1	20 5 2
	SEPT. .	19 1 45	18 22 35
	OCT. .	18 14 29	18 16 59
	NOV. .	17 3 13	17 10 53
	○	1 21 35	1 12 56
	DEC. .	16 15 57	17 3 5
418. G. 26 21 19	JAN. .	15 4 41	15 16 57
	FEB. .	13 17 25	14 4 16
	MAR. .	15 6 9	15 13 24
	APRIL	13 18 53	13 21 2
	MAY .	13 7 37	13 4 5
	○	28 1 59	28 9 1
	JUNE .	11 20 21	11 11 37
	JULY .	11 9 5	10 20 43
	AUG. .	9 21 49	9 8 20
	SEPT. .	8 10 33	7 22 58
	OCT. .	7 23 17	7 16 22
	NOV. .	6 12 1	6 11 28
	○	21 6 23	21 2 55
	DEC. .	6 0 45	6 6 46
417. F.E. 26 3 8	JAN. .	4 13 30	5 0 39
	FEB. .	3 2 14	3 15 55
	MAR. .	3 14 58	4 4 12
	APRIL	2 3 42	2 13 43
	MAY ○	1 16 26	1 21 19
		16 10 48	16 10 32
		31 5 10	31 4 0
	JUNE .	29 17 54	29 10 53
	JULY .	29 6 33	28 19 3
	AUG. .	27 19 22	27 5 29
	SEPT. .	26 8 6	25 18 52
	OCT. .	25 20 50	25 11 16
	○	9 15 12	9 18 38
	NOV. .	24 9 34	24 5 56
	DEC. .	23 22 18	24 1 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 416. D. March. *d. h. m.* 26 8 56	JAN.	22 11 8	22 20 13
	FEB.	20 23 47	21 12 42
	MAR.	22 12 31	23 2 12
	APRIL	21 1 15	21 12 45
	○	5 19 37	5 12 43
	MAY	20 13 59	20 21 2
	JUNE	19 2 43	19 4 5
	JULY	18 15 27	18 11 4
	AUG.	17 4 11	16 19 1
	SEPT.	15 16 55	15 4 45
	OCT.	15 5 39	14 16 59
	NOV.	13 18 23	13 7 54
	DEC.	13 7 7	13 1 8
415. C. 26 14 45	JAN.	11 19 51	11 19 42
	FEB.	10 8 35	10 14 13
	MAR.	11 21 19	12 7 18
	○	26 15 41	26 12 31
	APRIL	10 10 3	10 22 2
	MAY	9 22 47	10 10 1
	JUNE	8 11 31	8 19 41
	JULY	8 0 15	8 3 54
	AUG.	6 12 59	6 11 43
	SEPT.	5 1 43	4 20 4
	OCT.	4 14 27	4 5 42
	NOV.	3 3 11	2 17 6
	DEC.	2 15 55	2 6 27
		...	31 21 39
414. B. 26 20 34	JAN.	1 4 39	...
		30 17 23	30 14 14
	FEB.	...	...
	MAR. ○	1 6 8	1 7 28
		16 0 30	16 4 58
		30 18 52	31 0 18
	APRIL	29 7 36	29 15 48
	MAY	28 20 20	29 5 21
	JUNE	27 9 4	27 16 59
	JULY	26 21 48	27 8 4
	AUG.	25 10 32	25 12 21
	○	9 4 54	8 19 49
	SEPT.	23 23 16	23 21 47
	OCT.	23 12 0	23 7 48
	NOV.	22 0 44	21 18 45
	DEC.	21 13 28	21 6 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 413. A.G. March. *d. h. m.* 26 2 23	JAN.	20 2 13	19 19 46
	FEB.	18 14 57	18 9 51
	○	4 9 19	4 20 58
	MAR.	19 3 41	19 0 54
	APRIL	17 16 25	17 16 31
	MAY	17 5 9	17 8 7
	JUNE	15 17 53	15 23 0
	JULY	15 6 37	15 12 42
	AUG.	13 19 21	14 1 9
	○	28 13 43	27 23 45
	SEPT.	12 8 5	12 12 36
	OCT.	11 20 49	11 23 34
	NOV.	10 9 33	10 10 24
	DEC.	9 22 17	9 21 14
412. F. 26 8 12	JAN.	8 11 1	8 8 9
	FEB.	6 23 45	6 19 13
	MAR.	8 12 29	8 6 48
	APRIL	7 1 13	6 19 19
	MAY	6 13 57	6 9 2
	JUNE	5 2 41	4 23 52
	JULY	4 15 25	4 15 24
	AUG.	3 4 9	3 6 55
	SEPT.	1 16 53	1 21 51
	OCT.	1 5 37	1 11 51
		30 18 21	31 0 49
	NOV.	29 7 5	29 12 49
	DEC.	28 19 49	28 23 53
411. E. 26 14 1	○	12 14 12	12 17 20
	JAN.	27 8 34	27 10 5
	FEB.	25 21 18	25 19 38
	MAR.	27 10 2	27 5 5
	APRIL	25 22 46	25 15 13
	MAY	25 11 30	25 2 45
	JUNE	24 0 14	23 16 12
	○	8 18 36	8 19 46
	JULY	23 12 53	23 7 33
	AUG.	22 1 42	22 0 10
	SEPT.	20 14 26	20 17 13
	OCT.	20 3 10	20 9 44
	NOV.	18 15 54	19 0 57
	DEC.	18 4 38	18 14 26

Mean Vernal Equinox	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 410. D. March. *d. h. m.* 26 19 49	○	1 23 0	1 17 32
	JAN.	16 17 23	17 2 8
	FEB.	15 6 7	15 11 56
	MAR.	16 18 51	16 20 29
	APRIL	15 7 35	15 4 25
	MAY	14 20 19	14 12 40
	JUNE	18 9 3	12 22 14
	○	28 8 25	28 10 43
	JULY	12 21 47	12 10 0
	AUG.	11 10 31	11 0 26
	SEPT.	9 23 15	9 17 17
	OCT.	9 11 59	9 11 36
	NOV.	8 0 43	8 6 6
	DEC.	7 13 27	7 23 25
	○	22 7 49	21 23 57
409. C.B. 23 1 38	JAN.	6 2 11	6 14 34
	FEB.	4 14 55	5 3 5
	MAR.	5 3 39	5 13 6
	APRIL	3 16 23	3 21 15
	MAY	3 5 7	3 4 20
	JUNE	1 17 51	1 11 24
	○	16 12 13	16 19 23
	JULY	1 6 35	30 19 33
		30 19 19	30 5 49
	AUG.	29 8 3	28 19 0
	SEPT.	27 20 47	27 11 11
	OCT.	27 9 31	27 5 42
	NOV.	25 22 15	26 1 12
	DEC.	25 10 59	25 20 1
408. A. 26 7 27	JAN.	23 23 44	24 12 41
	FEB.	22 12 28	23 2 22
	MAR.	24 1 12	24 13 6
	APRIL	22 13 56	22 21 29
	MAY	22 2 40	22 4 28
	JUNE	20 15 24	20 11 7
	JULY	20 4 8	19 18 32
	AUG.	18 16 52	18 3 48
	SEPT.	17 5 36	16 15 45
	OCT.	16 18 20	16 6 44
	○	31 12 42	31 17 23
	NOV.	15 7 4	15 0 24
	DEC.	14 19 48	14 19 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 407. G. March. *d. h. m.* 26 13 16	JAN.	13 8 32	13 14 56
	FEB.	11 21 16	12 8 36
	MAR.	13 10 0	13 23 33
	APRIL	11 22 44	12 11 27
	○	26 17 6	26 9 49
	MAY	11 11 28	11 20 44
	JUNE	10 0 12	10 4 20
	JULY	9 12 56	9 11 19
	AUG.	8 1 40	7 18 47
	SEPT.	6 14 24	6 3 39
	OCT.	6 3 8	5 14 41
	○	20 21 30	21 4 42
	NOV.	4 15 52	4 4 17
	DEC.	4 4 36	3 20 23
406. F. 26 19 5	JAN.	2 17 21	2 14 18
	FEB.	1 6 5	1 8 49
	MAR.	2 18 49	3 2 37
	APRIL ○	1 7 33	1 18 30
		16 1 55	15 20 43
		30 20 17	1 7 50
	MAY	30 9 1	30 18 39
	JUNE	28 21 45	29 3 36
	JULY	28 10 29	23 11 39
	AUG.	26 23 13	26 19 49
	SEPT.	25 11 57	25 4 55
	○	10 6 19	10 8 54
	OCT.	25 0 41	24 15 31
	NOV.	23 13 25	23 3 53
	DEC.	23 2 9	22 18 4
405. E.D. 26 0 54	JAN.	21 14 54	21 9 48
	FEB.	20 3 33	20 2 33
	MAR.	20 16 22	20 19 27
	APRIL	19 5 6	19 11 35
	MAY	18 17 50	19 2 12
	JUNE	17 6 34	17 14 52
	JULY	16 19 18	17 1 50
	AUG.	15 8 2	15 11 40
	SEPT.	13 20 46	13 21 11
	OCT.	13 9 30	13 7 2
	NOV.	11 22 14	11 17 37
	DEC.	11 10 58	11 5 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 404. C. March. *d. h. m.* 26 6 42	JAN. .	9 23 42	9 17 21
	FEB. .	8 12 26	8 6 38
	○	23 6 43	23 19 47
	MAR. .	10 1 10	9 20 56
	APRIL	8 13 54	8 12 8
	MAY .	8 2 38	8 8 36
	JUNE .	6 15 22	6 18 55
	JULY .	6 4 6	6 9 23
	AUG. .	4 16 50	4 22 41
	○	19 11 12	18 21 19
	SEPT. .	3 5 34	3 10 54
	OCT. .	2 18 18	2 22 20
	NOV. .	1 7 2	1 9 23
		30 19 46	30 20 18
	DEC. .	30 8 30	30 7 5
403. B. 26 12 31	JAN. .	28 21 15	28 17 53
	○	12 15 37	13 4 42
	FEB. .	27 9 59	27 4 58
	MAR. .	28 22 43	28 16 31
	APRIL	27 11 27	27 5 25
	MAY .	27 0 11	26 19 35
	JUNE .	25 12 55	25 10 50
	JULY .	25 1 39	25 2 35
	○	8 20 1	8 10 33
	AUG. .	28 14 23	23 18 8
	SEPT. .	22 3 7	22 8 56
	OCT. .	21 15 51	21 22 42
	NOV. .	20 4 35	20 11 21
	DEC. .	19 17 19	19 22 55
402. A. 26 18 20	JAN. .	18 6 4	18 9 27
	○	2 0 26	2 6 28
	FEB. .	16 18 48	16 19 4
	MAR. .	18 7 32	18 4 15
	APRIL	16 20 16	16 13 41
	MAY .	16 9 0	16 0 14
	JUNE .	14 21 44	14 12 34
	JULY .	14 10 28	14 2 59
	○	29 4 50	29 3 19
	AUG. .	12 23 12	12 19 12
	SEPT. .	11 11 56	11 12 23
	OCT. .	11 0 40	11 5 33
	NOV. .	9 13 24	9 21 45
	DEC. .	9 2 8	9 12 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 401. G.F. March. *d. h. m.* 26 0 9	JAN. .	7 14 52	8 0 49
	FEB. .	6 8 36	6 11 24
	MAR. .	6 16 20	6 20 22
	APRIL	5 5 4	5 4 20
	MAY .	4 17 48	4 12 6
	JUNE .	3 6 32	2 20 45
	JULY .	2 19 16	2 7 16
	AUG. .	1 8 0	31 20 23
		30 20 44	30 12 11
	SEPT. .	29 9 28	29 6 5
	OCT. .	28 22 12	29 0 52
	NOV. .	27 10 56	27 19 5
	○	12 5 18	11 21 40
	DEC. .	26 23 40	27 11 29
400. E. 26 5 58	JAN. .	25 12 24	26 1 17
	FEB. .	24 1 9	24 12 26
	MAR. .	25 13 53	25 21 18
	APRIL	24 2 37	24 4 39
	MAY .	23 15 21	23 11 31
	○	7 9 43	7 15 55
	JUNE .	22 4 5	21 18 56
	JULY .	21 16 49	21 4 2
	AUG. .	20 5 33	19 15 45
	SEPT. .	18 18 17	18 6 33
	OCT. .	18 7 1	18 0 7
	NOV. .	16 19 45	16 19 24
	○	1 14 7	1 11 54
	DEC. .	16 8 29	16 14 48
399. D. 26 11 47	JAN. .	14 21 14	15 8 41
	FEB. .	13 9 58	13 23 52
	MAR. .	14 22 42	15 11 58
	APRIL	13 11 26	13 21 19
	MAY .	13 0 10	13 4 49
	○	27 18 32	27 16 58
	JUNE .	11 12 54	11 11 19
	JULY .	11 1 38	10 18 26
	AUG. .	9 14 22	9 2 44
	SEPT. .	8 3 6	7 13 22
	OCT. .	7 15 50	7 2 53
	NOV. .	6 4 34	5 19 20
	○	20 22 56	21 3 33
	DEC. .	5 17 18	5 13 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 398. C. March. *d. h. m.* 26 17 35	JAN.	4 6 2	4 9 21
	FEB.	2 18 46	3 3 52
	MAR.	4 7 30	4 20 10
	APRIL	2 20 14	3 9 31
	MAY ○	2 8 58	2 20 1
		17 3 20	16 19 27
		31 21 42	1 4 22
	JUNE	30 10 26	30 11 35
	JULY	29 23 10	29 18 48
	AUG.	28 11 54	28 3 1
	SEPT.	27 0 38	26 13 3
	OCT.	26 13 22	26 1 24
	NOV.	25 2 6	24 16 15
	DEC.	24 14 50	24 9 13
397. B.A. 25 23 24	JAN.	23 8 35	23 8 26
	FEB.	21 16 19	21 21 33
	MAR.	22 5 3	22 14 21
	○	5 23 25	5 20 14
	APRIL	20 17 47	21 4 57
	MAY	20 6 31	20 17 0
	JUNE	18 19 15	19 2 54
	JULY	18 7 59	18 11 27
	AUG.	16 20 43	16 19 39
	SEPT.	15 9 27	15 4 24
	OCT.	14 22 11	14 14 21
	NOV.	13 10 55	13 1 51
	DEC.	12 23 39	12 15 3
396. G. 26 5 13	JAN.	11 12 24	11 5 52
	FEB.	10 1 8	9 21 54
	MAR.	11 13 52	11 12 34
	○	26 8 14	26 12 52
	APRIL	10 2 36	10 7 1
	MAY	9 15 20	9 22 25
	JUNE	8 4 4	8 12 9
	JULY	7 16 48	8 0 6
	AUG.	6 5 32	6 10 39
	SEPT.	4 18 16	4 20 30
	○	19 12 38	19 3 18
	OCT.	4 7 0	4 6 20
	NOV.	2 19 44	2 16 40
	DEC.	2 8 28	2 3 40
		31 21 12	31 15 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 395. F. March. *d. h. m.* 26 11 2	JAN.	30 9 56	30 3 58
	FEB.	28 22 40	28 17 27
	○	15 17 2	16 4 50
	MAR.	30 11 24	30 7 54
	APRIL	29 0 8	28 23 6
	MAY	28 12 52	28 14 33
	JUNE	27 1 36	27 5 36
	JULY	26 14 20	26 19 44
	AUG.	25 3 4	25 8 44
	○	8 21 26	8 7 28
	SEPT.	23 15 48	23 20 48
	OCT.	23 4 32	23 8 15
	NOV.	21 17 16	21 19 20
	DEC.	21 6 0	21 6 9
394. E. 26 16 51	JAN.	19 18 45	19 16 47
	FEB.	18 7 29	18 3 23
	MAR.	19 20 13	19 14 24
	APRIL	18 8 57	18 2 21
	MAY	17 21 41	17 15 33
	JUNE	16 10 25	16 6 21
	JULY	15 23 9	15 22 1
	AUG.	14 11 53	14 13 57
	SEPT.	13 0 37	13 5 29
	OCT.	12 13 21	12 20 4
	NOV.	11 2 5	11 9 32
	DEC.	10 14 49	10 21 44
393. D.C. 25 22 40	JAN.	9 8 33	9 8 42
	○	23 21 55	24 1 0
	FEB.	7 16 17	7 18 34
	MAR.	8 5 1	8 3 41
	APRIL	6 17 45	6 12 39
	MAY	6 6 29	5 22 19
	JUNE	4 19 13	4 9 31
	JULY	4 7 57	3 22 52
	○	19 2 19	19 3 21
	AUG.	2 20 41	2 14 18
	SEPT.	1 9 25	1 7 18
		30 22 9	1 0 52
	OCT.	30 10 53	30 17 54
	NOV.	28 23 37	29 9 30
	DEC.	28 12 21	28 23 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 392. B. March. d. h. m. 26 4 28	○	12 6 43	12 1 33
	JAN.	27 1 6	27 10 36
	FEB.	25 18 50	25 20 11
	MAR.	27 2 34	27 4 22
	APRIL	25 15 18	25 11 56
	MAY	25 4 2	24 19 52
	JUNE	23 16 46	23 5 15
	○	8 11 8	8 17 58
	JULY	23 5 30	22 17 0
	AUG.	21 18 14	21 7 33
	SEPT.	20 6 58	20 0 39
	OCT.	19 19 42	19 19 21
	NOV.	18 8 26	18 14 11
	DEC.	17 21 10	18 7 43
391. A. 26 10 17	○	1 15 33	1 8 30
	JAN.	16 9 55	16 22 55
	FEB.	14 22 39	15 11 17
	MAR.	16 11 23	16 21 4
	APRIL	15 0 7	15 4 57
	MAY	14 12 51	14 11 49
	JUNE	13 1 35	12 18 47
	○	27 19 57	28 2 8
	JULY	12 14 19	12 2 54
	AUG.	11 3 3	10 13 15
	SEPT.	9 15 47	9 2 35
	OCT.	9 4 31	8 18 55
	NOV.	7 17 15	7 13 35
	DEC.	7 5 59	7 9 11
390. G. 26 16 6	JAN.	5 18 43	6 4 1
	FEB.	4 7 27	4 20 35
	MAR.	5 20 11	6 10 8
	APRIL	4 8 55	4 20 43
	MAY	3 21 39	4 4 58
	JUNE	2 10 23	2 11 54
	JULY	1 23 7	1 18 35
		31 11 51	31 2 11
	AUG.	30 0 35	29 11 39
	SEPT.	28 13 19	27 23 47
	OCT.	28 2 3	27 14 51
	○	11 20 25	12 2 11
	NOV.	26 14 47	26 8 28
	DEC.	26 3 31	26 3 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 389. F.E. March. d. h. m. 25 21 55	JAN.	24 16 16	24 22 38
	FEB.	23 5 0	23 16 4
	MAR.	23 17 44	24 6 52
	APRIL	22 6 28	22 18 42
	○	7 0 50	6 16 46
	MAY	21 19 12	22 4 1
	JUNE	20 7 56	20 11 44
	JULY	19 20 40	19 18 58
	AUG.	18 9 24	18 2 43
	SEPT.	16 22 8	16 11 54
	OCT.	16 10 52	15 23 9
	○	31 5 14	31 13 3
	NOV.	14 23 36	14 12 46
	DEC.	14 12 20	14 4 39
388. D. 26 3 44	JAN.	13 1 5	12 22 11
	FEB.	11 13 49	11 16 17
	MAR.	13 2 33	13 9 43
	APRIL	11 15 17	12 1 24
	○	26 9 39	26 4 8
	MAY	11 4 1	11 14 43
	JUNE	9 16 45	10 1 43
	JULY	9 5 29	9 10 59
	AUG.	7 18 13	7 19 26
	SEPT.	6 6 57	6 4 3
	OCT.	5 19 41	5 13 30
	○	20 14 3	20 16 44
	NOV.	4 8 25	4 0 18
	DEC.	3 21 9	3 12 35
387. C. 26 9 33	JAN.	2 9 53	2 2 27
		31 22 37	31 17 40
	FEB.	...	...
	MAR.	2 11 21	2 9 49
	APRIL ○	1 0 5	1 2 17
		15 18 27	15 20 25
		30 12 49	30 18 11
	MAY	30 1 33	30 8 48
	JUNE	28 14 17	28 21 47
	JULY	28 3 1	28 9 11
	AUG.	26 15 45	26 19 34
	SEPT.	25 4 29	25 5 36
	OCT.	24 17 13	24 15 49
	NOV.	23 5 57	23 2 33
	DEC.	22 18 41	22 13 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 386. B. March. *d. h. m.* 26 15 21	JAN. .	21 7 26	21 1 47
	FEB. .	19 20 10	19 14 30
	○	6 14 32	7 8 42
	MAR. .	21 8 54	21 4 9
	APRIL	19 21 38	19 18 47
	MAY .	19 10 22	19 10 4
	JUNE .	17 23 6	18 1 25
	JULY .	17 11 50	17 16 13
	AUG. .	16 0 34	16 6 4
	○	30 18 56	30 5 2
	SEPT. .	14 13 18	14 18 52
	OCT. .	14 2 2	14 6 52
	NOV. .	12 14 46	12 18 17
	DEC. .	12 3 30	12 5 15
385. A.G. 25 21 10	JAN. .	10 16 15	10 15 53
	FEB. .	9 4 59	9 2 15
	○	23 23 21	24 12 20
	MAR. .	9 17 43	9 12 42
	APRIL	8 6 27	7 23 49
	MAY .	7 19 11	7 12 12
	JUNE .	6 7 55	6 2 7
	JULY .	5 20 39	5 17 23
	AUG. .	4 9 23	4 9 26
	○	19 3 45	18 18 28
	SEPT. .	2 22 7	3 1 31
	OCT. .	2 10 51	2 16 55
		31 23 35	1 7 13
	NOV. .	30 12 19	30 20 11
	DEC. .	30 1 3	30 7 46
384. F. 26 2 59	JAN. .	28 13 47	28 18 3
	○	12 8 9	12 13 55
	FEB. .	27 2 31	27 3 18
	MAR. .	28 15 15	28 12 0
	APRIL	27 3 59	26 20 58
	MAY .	26 16 43	26 7 9
	JUNE .	25 5 27	24 19 18
	JULY .	24 18 11	24 9 45
	○	8 12 33	8 11 8
	AUG. .	23 6 55	23 2 12
	SEPT. .	21 19 39	21 19 50
	OCT. .	21 8 23	21 13 31
	NOV. .	19 21 7	20 6 7
	DEC. .	19 9 51	19 20 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 383. E. March. *d. h. m.* 26 8 48	JAN. .	17 22 35	18 9 24
	FEB. .	16 11 20	16 19 46
	MAR. .	18 0 4	18 4 24
	APRIL	16 12 48	16 11 59
	MAY .	16 1 32	15 19 28
	JUNE .	14 14 16	14 3 54
	JULY .	14 3 0	13 14 20
	AUG. .	12 15 41	12 3 30
	SEPT. .	11 4 28	10 19 31
	OCT. .	10 17 12	10 13 42
	NOV. .	9 5 56	9 8 49
	DEC. .	8 18 40	9 3 18
	○	28 13 2	28 6 22
382. D. 26 14 37	JAN. .	7 7 24	7 19 48
	FEB. .	5 20 9	6 9 33
	MAR. .	7 8 53	7 20 27
	APRIL	5 21 37	6 5 3
	MAY .	5 10 21	5 12 13
	JUNE .	3 23 5	3 18 55
	○	18 17 27	18 22 31
	JULY .	3 11 49	3 2 19
	AUG. .	2 0 33	1 11 29
		31 13 17	30 23 20
	SEPT. .	30 2 1	29 14 17
	OCT. .	29 14 45	29 8 0
	NOV. .	28 3 29	28 3 23
	○	12 21 51	12 20 51
	DEC. .	27 16 13	27 22 47
381. C.B. 25 20 26	JAN. .	26 4 57	26 16 35
	FEB. .	24 17 41	25 7 38
	MAR. .	25 6 25	25 19 33
	APRIL	23 19 9	24 4 48
	MAY .	23 7 53	23 12 13
	○	7 2 15	6 23 25
	JUNE .	21 20 37	21 18 56
	JULY .	21 9 21	21 2 3
	AUG. .	19 22 5	19 10 31
	SEPT. .	18 10 49	17 21 24
	OCT. .	17 23 33	17 11 2
	NOV. .	16 12 17	16 3 29
	○	1 6 39	1 12 27
	DEC. .	16 1 1	15 21 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 380.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 26 2 14	JAN.	14 13 45	14 17 5
	FEB.	13 2 29	13 11 21
	MAR.	14 15 14	15 3 28
	APRIL	13 3 58	13 16 43
	MAY	12 16 42	13 3 13
	○	27 11 4	27 2 14
	JUNE	11 5 26	11 11 41
	JULY	10 18 10	10 19 8
	AUG.	9 6 54	9 2 40
	SEPT.	7 19 38	7 11 12
	OCT.	7 8 22	6 21 30
	NOV.	5 21 6	5 9 56
	DEC.	5 9 50	5 0 40
379. G. 26 8 3	JAN.	3 22 34	3 17 17
	FEB.	2 11 18	2 11 0
	MAR.	4 0 2	4 4 43
	APRIL	2 12 46	2 21 14
	MAY	2 1 30	2 11 45
		31 14 14	31 23 56
	JUNE	30 2 58	30 10 7
	JULY	29 15 42	29 19 4
	AUG.	28 4 26	28 3 42
	SEPT.	26 17 10	26 12 52
	OCT.	26 5 54	25 23 5
	NOV.	24 18 38	24 10 39
	DEC.	24 7 22	23 23 37
378. F. 26 13 52	JAN.	22 20 7	22 13 57
	FEB.	21 8 51	21 5 25
	MAR.	22 21 35	22 21 33
	○	6 15 57	6 20 39
	APRIL	21 10 19	21 13 38
	MAY	20 23 3	21 4 58
	JUNE	19 11 47	19 18 53
	JULY	19 0 31	19 7 14
	AUG.	17 13 15	17 18 19
	SEPT.	16 1 59	16 4 42
	○	30 20 21	30 10 53
	OCT.	15 14 43	15 15 1
	NOV.	14 3 27	14 1 35
	DEC.	13 16 11	13 12 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 377.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 25 19 41	JAN.	12 4 56	12 0 2
	FEB.	10 17 40	10 12 4
	MAR.	11 6 21	11 0 57
	○	26 0 46	26 12 34
	APRIL	9 19 8	9 14 49
	MAY	9 7 52	9 5 39
	JUNE	7 20 36	7 21 0
	JULY	7 9 20	7 12 15
	AUG.	5 22 4	6 2 50
	SEPT.	4 10 48	4 16 27
	○	19 5 10	18 15 22
	OCT.	3 23 32	4 5 6
	NOV.	2 12 16	2 17 0
	DEC.	2 1 0	2 4 18
		31 13 44	31 15 3
376. C. 26 1 30	JAN.	30 2 28	30 1 20
	FEB.	28 15 12	28 11 26
	MAR.	30 3 56	29 21 52
	APRIL	28 16 40	28 9 17
	MAY	28 5 24	27 22 15
	JUNE	26 18 8	26 12 51
	JULY	26 6 52	26 4 42
	AUG.	24 19 36	24 21 5
	SEPT.	23 8 20	23 13 12
	OCT.	22 21 4	23 4 23
	NOV.	21 9 48	21 18 13
	DEC.	20 22 32	21 6 33
375. B. 26 7 19	JAN.	19 11 17	19 17 25
	○	3 5 39	3 8 33
	FEB.	18 0 1	18 2 57
	MAR.	19 12 45	19 11 37
	APRIL	18 1 29	17 20 8
	MAY	17 14 13	17 5 24
	JUNE	16 2 57	15 16 22
	JULY	15 15 41	15 5 38
	○	30 10 3	30 11 4
	AUG.	14 4 25	13 21 15
	SEPT.	12 17 9	12 14 36
	OCT.	12 5 53	12 8 38
	NOV.	10 18 37	11 2 8
	DEC.	10 7 21	10 18 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 374. A. March. *d. h. m.* 26 18 7	JAN.	8 20 5	9 7 42
	○	23 14 27	23 9 30
	FEB.	7 8 50	7 19 3
	MAR.	8 21 34	9 4 19
	APRIL	7 10 18	7 12 9
	MAY	6 23 2	6 19 23
	JUNE	5 11 46	5 3 7
	JULY	5 0 30	4 12 24
	○	19 18 52	20 1 17
	AUG.	3 13 14	3 0 9
	SEPT.	2 1 58	1 14 51
	OCT.	1 14 42	1 8 11
		31 3 26	31 3 11
	NOV.	29 16 10	29 22 18
	DEC.	29 4 54	29 15 58
	○	12 23 16	12 16 59
373. G.F. 25 18 56	JAN.	27 17 38	28 7 6
	FEB.	26 6 22	26 19 19
	MAR.	26 19 6	27 4 52
	APRIL	25 7 50	25 12 31
	MAY	24 20 34	24 19 15
	JUNE	23 9 18	23 2 10
	○	8 3 40	8 8 54
	JULY	22 22 2	22 10 21
	AUG.	21 10 46	20 20 50
	SEPT.	19 23 30	19 10 18
	OCT.	19 12 14	19 2 48
	NOV.	18 0 58	17 21 33
	DEC.	17 13 42	17 17 9
372. E. 26 0 45	JAN.	16 2 27	16 11 54
	FEB.	14 15 11	15 4 21
	MAR.	16 3 55	16 17 45
	APRIL	14 16 39	15 4 12
	MAY	14 5 23	14 12 23
	JUNE	12 18 7	12 19 20
	JULY	12 6 51	12 2 11
	AUG.	10 19 35	10 9 59
	SEPT.	9 8 19	8 19 41
	OCT.	8 21 3	8 7 59
	NOV.	7 9 47	6 23 5
	○	22 4 9	22 11 0
	DEC.	6 22 31	6 16 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 371. D. March. *d. h. m.* 26 6 34	JAN.	5 11 16	5 11 27
	FEB.	4 0 0	4 6 12
	MAR.	5 12 44	5 23 23
	APRIL	4 1 28	4 14 2
	MAY	3 14 12	4 1 51
	○	18 8 34	17 23 41
	JUNE	2 2 56	2 11 15
	JULY	1 15 40	1 19 12
		31 4 24	31 2 44
	AUG.	29 17 8	29 10 50
	SEPT.	28 5 52	27 20 19
	OCT.	27 18 36	27 7 43
	○	11 12 58	11 21 28
	NOV.	26 7 20	25 21 18
	DEC.	25 20 4	25 12 55
370. C. 26 12 23	JAN.	24 8 48	24 5 58
	FEB.	22 21 32	22 23 31
	MAR.	24 10 16	24 16 33
	APRIL	22 23 0	23 8 10
	○	7 17 22	7 11 29
	MAY	22 11 44	22 21 32
	JUNE	21 0 28	21 8 46
	JULY	20 13 12	20 18 25
	AUG.	19 1 56	19 3 21
	SEPT.	17 14 40	17 12 23
	OCT.	17 3 24	16 22 11
	○	31 21 46	1 0 39
	NOV.	15 16 8	15 9 7
	DEC.	15 4 52	14 21 19
369. B.A. 25 18 12	JAN.	13 17 37	13 10 48
	FEB.	12 6 21	12 1 26
	MAR.	12 19 5	12 17 0
	APRIL	11 7 49	11 9 1
	○	26 2 11	26 4 1
	MAY	10 20 33	11 0 42
	JUNE	9 9 17	9 15 25
	JULY	8 22 1	9 4 43
	AUG.	7 10 45	7 16 39
	SEPT.	5 23 29	6 3 36
	OCT.	5 12 13	5 14 7
	NOV.	4 0 57	4 0 42
	DEC.	3 13 41	3 11 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 368. G. March.	JAN.	2 2 25	1 22 37
		31 15 9	31 10 7
	FEB.	...	...
d. h. m. 26 0 0	MAR. ○	2 8 58	1 22 13
		16 22 15	17 11 26
		31 16 37	31 11 17
	APRIL	30 5 21	30 1 27
	MAY	29 18 5	29 16 30
	JUNE	28 6 49	28 7 56
	JULY	27 19 33	27 23 6
	AUG.	26 8 17	26 13 30
	SEPT.	24 21 1	25 2 56
	OCT.	24 9 45	24 15 26
	NOV.	22 22 29	23 8 10
	DEC.	22 11 13	22 14 12
367. F.	JAN.	20 23 58	21 0 35
	FEB.	19 12 42	19 10 30
	○	6 7 4	6 19 46
26 5 49	MAR.	21 1 26	20 20 24
	APRIL	19 14 10	19 6 59
	MAY	19 2 54	18 18 56
	JUNE	17 15 38	17 8 38
	JULY	17 4 22	16 23 59
	AUG.	15 17 6	15 16 23
	○	30 11 28	30 2 31
	SEPT.	14 5 50	14 9 0
	OCT.	13 18 34	14 1 0
	NOV.	12 7 18	12 15 46
	DEC.	11 20 2	12 4 58
366. E.	JAN.	10 8 46	10 16 33
	FEB.	8 21 30	9 2 33
	○	23 15 52	23 21 13
26 11 38	MAR.	10 10 15	10 11 24
	APRIL	8 22 59	8 19 39
	MAY	8 11 43	8 4 13
	JUNE	7 0 27	6 14 6
	JULY	6 13 11	6 2 7
	AUG.	5 1 55	4 16 37
	○	19 20 17	19 19 7
	SEPT.	3 14 39	3 9 21
	OCT.	3 3 23	3 3 26
	NOV.	1 16 7	1 21 34
	DEC.	1 4 51	1 14 32
		30 17 35	31 5 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 365. D.C. March. *d. h. m.* 25 17 27	JAN.	29 6 19	29 17 52
	FEB.	27 19 3	28 3 59
	MAR.	28 7 47	28 12 15
	APRIL	26 20 31	26 19 32
	MAY	26 9 15	26 2 46
	JUNE	24 21 59	24 11 5
	JULY	24 10 43	23 21 30
	AUG.	22 23 27	22 10 46
	SEPT.	21 12 11	21 3 0
	OCT.	21 0 55	20 21 27
	NOV.	19 13 39	19 16 48
	DEC.	19 2 23	19 11 26
	○	2 20 45	2 15 2
364. B.	JAN.	17 15 8	18 3 58
	FEB.	16 3 52	16 17 35
25 23 16	MAR.	17 16 36	18 4 18
	APRIL	16 5 20	16 12 41
	MAY	15 18 4	15 19 40
	JUNE	14 6 48	14 2 20
	○	29 1 10	29 5 8
	JULY	13 19 32	13 9 47
	AUG.	12 8 16	11 19 5
	SEPT.	10 21 0	10 7 3
	OCT.	10 9 44	9 22 10
	NOV.	8 22 28	8 15 58
	DEC.	8 11 12	8 11 21
	○	23 5 34	23 5 47
363. A.	JAN.	6 23 57	7 6 41
	FEB.	5 12 41	6 0 20
26 5 5	MAR.	7 1 25	7 15 13
	APRIL	5 14 9	6 3 2
	MAY	5 2 53	5 12 12
	JUNE	3 15 37	3 19 33
	○	18 9 59	18 5 53
	JULY	3 4 21	3 2 29
	AUG.	1 17 5	1 9 47
		31 5 49	30 18 33
	SEPT.	29 18 33	29 5 35
	OCT.	29 7 17	28 19 20
	NOV.	27 20 1	27 11 42
	○	12 14 23	12 21 21
	DEC.	27 8 45	27 5 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 362.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 26 10 58	JAN.	25 21 29	26 0 44
	FEB.	24 10 18	24 18 48
	MAR.	25 22 57	26 10 37
	APRIL	24 11 41	24 23 47
	MAY	24 0 25	24 10 21
	○	7 18 47	7 9 0
	JUNE	22 18 9	22 19 1
	JULY	22 1 58	22 2 46
	AUG.	20 14 37	20 10 39
	SEPT.	19 8 21	18 19 32
	OCT.	18 16 5	18 6 8
	NOV.	17 4 49	16 18 33
	DEC.	16 17 38	16 9 4
361. F.E. 25 16 42	JAN.	15 6 18	15 1 17
	FEB.	13 19 2	13 18 30
	MAR.	14 7 46	14 11 46
	APRIL	12 20 30	13 4 2
	MAY	12 9 14	12 18 30
	JUNE	10 21 58	11 6 52
	JULY	10 10 42	10 17 24
	AUG.	8 23 26	9 2 47
	SEPT.	7 12 10	7 11 54
	OCT.	7 0 54	6 21 28
	NOV.	5 13 38	5 7 56
	DEC.	5 2 22	4 19 29
360. D. 25 22 31	JAN.	3 15 7	3 8 10
	FEB.	2 3 51	1 21 58
	MAR.	3 16 35	3 12 49
	APRIL	2 5 19	2 4 25
	○	16 23 41	17 4 19
	MAY	1 18 3	1 20 13
		31 6 47	31 11 29
	JUNE	29 19 31	30 1 38
	JULY	29 8 15	29 14 27
	AUG.	27 20 59	28 2 6
	SEPT.	26 9 43	26 13 3
	○	11 4 5	10 18 40
	OCT.	25 22 27	25 23 47
	NOV.	24 11 11	24 10 34
	DEC.	23 23 55	23 21 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 359.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 26 4 20	JAN.	22 12 39	22 8 34
	FEB.	21 1 23	20 20 4
	MAR.	22 14 7	22 8 18
	○	6 8 29	6 20 8
	APRIL	21 2 51	20 21 39
	MAY	20 15 35	20 12 8
	JUNE	19 4 19	19 3 26
	JULY	18 17 3	18 18 56
	AUG.	17 5 47	17 10 2
	SEPT.	15 18 31	16 0 16
	○	30 12 53	29 22 24
	OCT.	15 7 15	15 13 30
	NOV.	13 19 59	14 1 49
	DEC.	13 8 43	13 13 14
358. B. 26 10 9	JAN.	11 21 28	11 23 52
	FEB.	10 10 12	10 9 47
	MAR.	11 22 56	11 19 21
	APRIL	10 11 40	10 5 15
	MAY	10 0 24	9 16 13
	JUNE	8 13 8	8 4 58
	JULY	8 1 52	7 19 26
	AUG.	6 14 36	6 11 31
	SEPT.	5 3 20	5 4 23
	○	19 21 42	19 11 27
	OCT.	4 16 4	4 21 3
	NOV.	3 4 48	3 12 45
	DEC.	2 17 32	3 2 56
357. A.G. 25 15 58	JAN.	1 6 17	1 15 22
		30 19 1	31 2 2
	FEB.	29 7 45	29 11 13
	MAR.	29 20 29	29 19 25
	APRIL	28 9 13	28 3 32
	MAY	27 21 57	27 12 29
	JUNE	26 10 41	25 23 15
	JULY	25 23 25	25 12 31
	○	9 17 47	9 18 53
	AUG.	24 12 9	24 4 19
	SEPT.	23 0 53	22 22 2
	OCT.	22 13 37	22 16 30
	NOV.	21 2 21	21 10 24
	DEC.	20 15 5	21 2 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 356. F. March. d. h. m. 25 21 46	JAN. .	19. 8 49	19 16 11
	○	2 22 11	2 17 20
	FEB. .	17 16 33	18 3 19
	MAR. .	19 5 17	19 12 16
	APRIL	17 18 1	17 19 47
	MAY .	17 6 45	17 2 49
	JUNE .	15 19 29	15 10 22
	JULY .	15 8 13	14 19 37
	○	30 2 35	30 8 40
	AUG. .	13 20 57	13 7 26
	SEPT. .	12 9 41	11 22 18
	OCT. .	11 22 25	11 15 52
	NOV. .	10 11 9	10 11 4
	DEC. .	9 23 53	10 6 21
355. E. 26 3 35	JAN. .	8 12 38	9 0 6
	○	28 7 0	28 1 24
	FEB. .	7 1 22	7 15 10
	MAR. .	8 14 6	9 3 12
	APRIL	7 2 50	7 12 33
	MAY .	6 15 34	6 20 2
	JUNE .	5 4 18	5 2 42
	JULY .	4 17 2	4 9 38
	○	19 11 24	19 15 45
	AUG. .	3 5 46	2 17 56
	SEPT. .	1 18 30	1 4 35
	OCT. .	1 7 14	30 18 12
		30 19 58	30 10 47
	NOV. .	29 8 42	29 5 33
	DEC. .	28 21 26	29 1 4
354. D. 26 9 24	JAN. .	27 10 11	27 19 40
	FEB. .	25 22 55	26 11 57
	MAR. .	27 11 39	28 1 13
	APRIL	26 0 23	26 11 34
	MAY .	25 13 7	25 19 45
	JUNE .	24 1 51	24 2 48
	JULY .	23 14 35	23 9 52
	AUG. .	22 3 19	21 17 55
	SEPT. .	20 16 3	20 3 52
	OCT. .	20 4 47	19 16 18
	NOV. .	18 17 31	18 7 23
	○	3 11 53	3 19 50
	DEC. .	18 6 15	18 0 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 353. C.B. March. d. h. m. 25 15 13	JAN. .	16 18 59	16 19 12
	FEB. .	15 7 43	15 13 33
	MAR. .	15 20 27	16 6 33
	APRIL	14 9 11	14 21 3
	MAY .	13 21 55	14 8 53
	○	28 16 17	28 6 35
	JUNE .	12 10 39	12 18 29
	JULY .	11 23 23	12 2 41
	AUG. .	10 12 7	10 10 35
	SEPT. .	9 0 51	8 19 3
	OCT. .	8 13 35	8 4 51
	NOV. .	7 2 19	6 16 24
	○	21 20 41	22 5 51
	DEC. .	6 15 3	6 5 51
352. A. 25 21 2	JAN. .	5 3 48	4 21 6
	FEB. .	3 16 32	3 13 39
	MAR. .	5 5 16	5 6 46
	APRIL	3 18 0	3 23 28
	MAY .	3 6 44	3 14 51
	○	18 1 6	17 18 50
	JUNE .	1 19 28	2 4 21
	JULY .	1 8 12	1 15 53
		30 20 56	31 1 58
	AUG. .	29 9 40	29 11 21
	SEPT. .	27 22 24	27 20 52
	OCT. .	27 11 8	27 7 0
	○	11 5 30	11 8 37
	NOV. .	25 23 52	25 18 1
	DEC. .	25 12 36	25 6 1
351. G. 26 2 51	JAN. .	24 1 20	23 19 2
	FEB. .	22 14 4	22 9 4
	MAR. .	24 2 48	24 0 4
	APRIL	22 15 32	22 15 37
	○	7 9 54	7 11 33
	MAY .	22 4 16	22 7 9
	JUNE .	20 17 0	20 22 1
	JULY .	20 5 44	20 11 42
	AUG. .	18 18 28	19 0 11
	SEPT. .	17 7 12	17 11 43
	OCT. .	16 19 56	16 22 45
	NOV. .	15 8 40	15 9 37
	DEC. .	14 21 24	14 20 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 350.		d. h. m.	d. h. m.
F. March. d. h. m. 26 8 39	JAN. .	13 10 9	13 7 20
	FEB. .	11 22 53	11 18 20
	MAR. .	13 11 37	13 5 51
	○	28 5 59	28 19 2
	APRIL	12 0 21	11 18 20
	MAY .	11 13 5	11 8 3
	JUNE .	10 1 49	9 22 56
	JULY .	9 14 33	9 14 30
	AUG. .	8 3 17	8 6 4
	SEPT. .	6 16 1	6 21 4
	OCT. .	6 4 45	6 11 8
	NOV. .	4 17 29	5 0 8
	DEC. .	4 6 13	4 12 5
349. E.D. 25 14 28	JAN. .	2 18 58	2 23 6
	FEB. .	1 7 42	1 9 10
	MAR. ○	1 20 26	1 18 38
		16 14 48	17 3 3
		31 9 10	31 4 0
	APRIL	29 21 54	29 14 6
	MAY .	29 10 38	29 1 42
	JUNE .	27 23 22	27 15 14
	JULY .	27 12 6	27 6 41
	AUG. .	26 0 50	25 23 28
	○	9 19 12	9 10 43
	SEPT. .	24 13 34	24 16 37
	OCT. .	24 2 18	24 9 9
	NOV. .	22 15 2	23 0 21
	DEC. .	22 3 46	22 13 44
348. C. 25 20 17	JAN. .	20 16 30	21 1 12
	FEB. .	19 5 14	19 10 55
	○	5 23 36	6 4 23
	MAR. .	20 17 58	20 19 20
	APRIL	19 6 42	19 3 12
	MAY .	18 19 26	18 11 26
	JUNE .	17 8 10	16 21 4
	JULY .	16 20 54	16 9 0
	AUG. .	15 9 38	14 23 38
	○	30 4 0	30 3 11
	SEPT. .	13 22 22	13 16 39
	OCT. .	13 11 6	13 11 6
	NOV. .	11 23 50	12 5 38
	DEC. .	11 12 34	11 22 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 347.		d. h. m.	d. h. m.
B. March. d. h. m. 26 2 6	JAN. .	10 1 19	10 13 53
	FEB. .	8 14 3	9 2 11
	MAR. .	10 2 47	10 12 2
	APRIL	8 15 31	8 20 1
	MAY .	8 4 15	8 3 3
	JUNE .	6 16 59	6 10 7
	JULY .	6 5 43	5 18 22
	AUG. .	4 18 27	4 4 50
	SEPT. .	3 7 11	2 18 13
	OCT. .	2 19 55	2 10 37
	NOV. .	1 8 39	1 5 17
		30 21 23	1 0 49
	DEC. .	30 10 7	30 19 31
346. A. 26 7 55	○	14 4 29	13 23 33
	JAN. .	28 22 52	29 12 0
	FEB. .	27 11 36	28 1 29
	MAR. .	29 0 20	29 12 1
	APRIL	27 13 4	27 20 14
	MAY .	27 1 48	27 3 8
	JUNE .	25 14 32	25 9 48
	○	10 8 54	10 11 47
	JULY .	25 3 16	24 17 21
	AUG. .	23 16 0	23 2 48
	SEPT. .	22 4 44	21 14 59
	OCT. .	21 17 28	21 6 10
	NOV. .	20 6 12	19 23 59
	DEC. .	19 18 56	19 19 17
345. G.F. 25 13 44	○	3 13 18	3 14 40
	JAN. .	18 7 40	18 14 28
	FEB. .	16 20 24	17 7 56
	MAR. .	17 9 8	17 22 39
	APRIL .	15 21 52	16 10 22
	MAY .	15 10 36	15 19 31
	JUNE .	13 23 20	14 3 3
	○	28 17 42	28 12 24
	JULY .	13 12 4	13 10 4
	AUG. .	12 0 48	11 17 33
	SEPT. .	10 13 32	10 2 41
	OCT. .	10 2 16	9 13 56
	NOV. .	8 15 0	8 3 43
	DEC. .	8 3 44	7 19 54
	○	22 22 6	23 6 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 344. E. March. d. h. m. 25 19 32		d. h. m.	d. h. m.
	JAN. .	6 16 29	6 13 49
	FEB. .	5 5 13	5 8 17
	MAR. .	6 17 57	7 1 54
	APRIL	5 6 41	5 17 37
	MAY .	4 19 25	5 6 46
	JUNE .	3 8 9	3 17 28
	○	18 2 31	17 15 49
	JULY .	2 20 58	3 2 22
	AUG. .	1 9 37	1 10 29
		30 22 21	30 18 46
	SEPT. .	29 11 5	29 4 1
	OCT. .	28 23 49	28 14 45
	NOV. .	27 12 33	27 3 14
	DEC. .	27 1 17	26 17 27
343. D. 26 1 21	JAN. .	25 14 2	25 9 12
	FEB. .	24 2 46	24 1 53
	MAR. .	25 15 30	25 18 41
	APRIL	24 4 14	24 10 42
	MAY .	23 16 58	24 1 10
	JUNE .	22 5 42	22 13 47
	JULY .	21 18 26	22 0 44
	AUG. .	20 7 10	20 10 38
	SEPT. .	18 19 54	18 20 15
	OCT. .	18 8 38	18 6 13
	NOV. .	16 21 22	16 16 51
	DEC. .	16 10 6	16 4 19
342. C. 26 7 10	JAN. .	14 22 50	14 16 37
	FEB. .	13 11 34	13 5 52
	MAR. .	15 0 18	14 20 6
	APRIL	13 13 2	13 11 11
	○	28 7 24	28 11 54
	MAY .	13 1 46	13 2 40
	JUNE .	11 14 30	11 17 58
	JULY .	11 8 14	11 8 26
	AUG. .	9 15 58	9 21 46
	SEPT. .	8 4 42	8 10 0
	OCT. .	7 17 26	7 21 30
	○	22 11 48	22 2 32
	NOV. .	6 6 10	6 8 38
	DEC. .	5 18 54	5 19 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 341. B.A. March. d. h. m. 25 12 59		d. h. m.	d. h. m.
	JAN. .	4 7 39	4 6 17
	FEB. .	2 20 23	2 17 1
	MAR. .	3 9 7	3 3 56
	APRIL	1 21 51	1 15 35
	○	16 16 13	17 3 37
	MAY .	1 10 35	1 4 25
		30 23 19	30 18 38
	JUNE .	29 12 3	29 9 56
	JULY .	29 0 47	29 1 45
	AUG. .	27 13 31	27 17 21
	SEPT. .	26 2 15	26 8 12
	○	10 20 37	10 7 37
	OCT. .	25 14 59	25 22 0
	NOV. .	24 3 43	24 10 39
	DEC. .	23 16 27	23 22 10
340. G. 25 18 48	JAN. .	22 5 11	22 8 33
	FEB. .	20 17 55	20 18 4
	MAR. .	22 6 39	22 3 9
	APRIL	20 19 23	20 12 33
	MAY .	20 8 7	19 23 6
	JUNE .	18 20 51	18 11 32
	JULY .	18 9 35	18 2 6
	AUG. .	16 22 19	16 18 26
	SEPT. .	15 11 3	15 11 45
	○	30 5 25	29 19 52
	OCT. .	14 23 47	15 4 59
	NOV. .	13 12 31	13 21 9
	DEC. .	13 1 15	13 11 37
339. F. 26 0 37	JAN. .	11 14 0	12 0 0
	FEB. .	10 2 44	10 10 27
	MAR. .	11 15 28	11 19 17
	APRIL	10 4 12	10 3 7
	MAY .	9 16 56	9 10 52
	JUNE .	8 5 40	7 19 34
	JULY .	7 18 24	7 6 14
	AUG. .	6 7 8	5 19 31
	○	21 1 22	21 2 40
	SEPT. .	4 19 52	4 11 31
	OCT. .	4 8 36	4 5 34
	NOV. .	2 21 20	3 0 26
	DEC. .	2 10 4	2 18 37
		31 22 48	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 338. E. March.	JAN.	...	1 10 58
		30 11 32	31 0 30
	FEB.	...	...
	○	14 5 54	14 1 4
d. h. m. 26 6 25	MAR.	1 0 17	1 11 26
		30 13 1	30 20 8
	APRIL	29 1 45	29 8 24
	MAY	28 14 29	28 10 13
	JUNE	27 8 13	26 17 43
	JULY	26 15 57	26 2 57
	○	10 10 19	10 16 9
	AUG.	25 4 41	24 14 54
	SEPT.	23 17 25	23 5 54
	OCT.	23 6 9	22 23 40
	NOV.	21 18 53	21 19 1
	DEC.	21 7 37	21 14 23
337. D.C.	JAN.	19 20 21	20 8 5
	○	3 14 43	3 9 42
	FEB.	18 9 5	18 23 3
25 12 14	MAR.	18 21 49	19 10 56
	APRIL	17 10 33	17 20 7
	MAY	16 23 17	17 8 29
	JUNE	15 12 1	15 10 9
	JULY	15 0 45	14 17 10
	○	29 19 7	29 22 40
	AUG.	13 13 29	13 1 39
	SEPT.	12 2 13	11 12 30
	OCT.	11 14 57	11 2 14
	NOV.	10 3 41	9 18 51
	DEC.	9 16 25	9 13 32
336. B.	JAN.	8 5 10	8 8 54
	FEB.	6 17 54	7 3 16
25 18 8	MAR.	8 6 38	8 19 22
	APRIL	6 19 22	7 8 30
	MAY	6 8 6	6 18 49
	JUNE	4 20 50	5 3 5
	JULY	4 9 34	4 10 18
	AUG.	2 22 18	2 17 37
	SEPT.	1 11 2	1 2 0
		30 23 46	30 12 12
	OCT.	30 12 30	30 0 45
	NOV.	29 1 14	28 15 44
	○	13 19 36	14 4 39
	DEC.	28 13 58	28 8 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 335. A. March. *d. h. m.* 25 23 52	JAN.	27 2 43	27 2 54
	FEB.	25 15 27	25 20 54
	MAR.	27 4 11	27 13 32
	APRIL	25 16 55	26 3 57
	MAY	25 5 39	25 15 53
	○	9 0 1	8 13 32
	JUNE	23 18 23	24 1 42
	JULY	23 7 7	23 10 26
	AUG.	21 19 51	21 18 34
	SEPT.	20 8 35	20 3 27
	OCT.	19 21 19	19 13 32
	NOV.	18 10 3	18 1 10
	○	3 4 25	3 14 16
	DEC.	17 22 47	17 14 25
334. G. 26 5 41	JAN.	16 11 31	16 5 14
	FEB.	15 0 15	14 21 13
	MAR.	16 12 59	16 13 49
	APRIL	15 1 43	15 6 9
	MAY	14 14 27	14 21 26
	○	29 8 49	29 2 9
	JUNE	13 3 11	13 11 5
	JULY	12 15 55	12 23 0
	AUG.	11 4 39	11 9 34
	SEPT.	9 17 23	9 19 30
	OCT.	9 6 7	9 5 27
	NOV.	7 18 51	7 15 53
	○	22 13 13	22 16 35
	DEC.	7 7 35	7 2 56
333. F.E. 25 11 30	JAN.	5 20 20	5 14 41
	FEB.	4 9 4	4 3 11
	MAR.	4 21 48	4 16 36
	APRIL	3 10 32	3 7 1
	MAY	2 23 16	2 22 11
	○	17 17 38	17 19 1
	JUNE	1 12 0	1 13 36
	JULY	1 0 44	1 4 40
		30 13 23	30 18 47
	AUG.	29 2 12	29 7 51
	SEPT.	27 14 56	27 19 58
	OCT.	27 3 40	27 7 29
	NOV.	25 16 24	25 18 36
	DEC.	25 5 8	25 5 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 332.		d. h. m.	d. h. m.	B.C. 329.		d. h. m.	d. h. m.
D. March. d. h. m. 25 17 18	JAN.	23 17 53	23 15 56	A.G. March. d. h. m. 25 10 45	JAN.	21 9 8	21 22 13
	FEB.	22 6 37	22 2 27		FEB.	19 21 47	20 10 22
	MAR.	23 19 21	23 18 28		MAR.	20 10 31	20 19 57
	APRIL	22 8 5	22 1 19		APRIL	18 23 15	19 8 42
	MAY	21 20 49	21 14 39		MAY	18 11 59	18 10 32
	JUNE	20 9 33	20 5 25		JUNE	17 0 43	16 17 29
	JULY	19 22 17	19 21 10		JULY	16 13 27	16 1 45
	AUG.	18 11 1	18 13 11		AUG.	15 2 11	14 12 18
	SEPT.	16 23 45	17 4 46		SEPT.	13 14 55	13 1 50
	OCT.	16 12 29	16 19 24		OCT.	13 3 39	12 18 23
	NOV.	15 1 13	15 8 50		NOV.	11 16 23	11 13 12
	DEC.	14 13 57	14 20 59		DEC.	11 5 7	11 8 49
331. C. 25 23 7	JAN.	13 2 41	13 7 52	328. F. 25 16 34	JAN.	9 17 51	10 3 31
	FEB.	11 15 25	11 17 37			○ 24 12 13	24 8 9
	MAR.	13 4 9	13 2 37		FEB.	8 6 35	8 19 53
	○	27 22 31	28 10 10		MAR.	9 19 19	10 9 12
	APRIL	11 16 53	11 11 30		APRIL	8 8 3	8 19 35
	MAY	11 5 37	10 21 10		MAY	7 20 47	8 3 42
	JUNE	9 18 21	9 8 28		JUNE	6 9 31	6 10 34
	JULY	9 7 5	8 21 55		JULY	5 22 15	5 17 19
	AUG.	7 19 49	7 13 31			○ 20 16 37	20 18 31
	SEPT.	6 8 33	6 6 39		AUG.	4 10 59	4 1 3
	○	21 2 55	20 19 4		SEPT.	2 23 43	2 10 42
	OCT.	5 21 17	6 0 18		OCT.	2 12 27	1 23 2
	NOV.	4 10 1	4 17 22		NOV.	1 1 11	31 14 18
	DEC.	3 22 45	4 8 54			30 13 55	30 8 3
					DEC.	30 2 39	30 3 11
330. B. 26 4 56	JAN.	2 11 30	2 22 54				
	FEB.	1 0 14	1 9 43			○ 13 21 2	13 23 26
	MAR.	2 12 58	2 19 9	327. E. 25 22 23	JAN.	28 15 24	28 22 7
	○	17 7 20	17 11 23		FEB.	27 4 8	27 15 22
	APRIL	1 1 42	1 3 11		MAR.	28 16 52	29 5 55
		30 14 26	30 10 41		APRIL	27 5 36	27 17 35
	MAY	30 3 10	29 18 39		MAY	26 18 20	27 2 47
	JUNE	28 15 54	28 4 7		JUNE	25 7 4	25 10 28
	JULY	28 4 38	27 16 4			○ 10 1 26	9 19 0
	AUG.	26 17 22	26 6 48		JULY	24 19 48	24 17 45
	○	10 11 44	10 11 26		AUG.	23 8 32	23 1 39
	SEPT.	25 6 6	25 0 5		SEPT.	21 21 16	21 11 0
	OCT.	24 18 50	24 18 54		OCT.	21 10 0	20 22 25
	NOV.	23 7 34	23 13 45		NOV.	19 22 44	19 12 11
	DEC.	22 20 18	23 7 12		DEC.	19 11 28	19 4 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 326. D. March. *d. h. m.* 26 4 11	○	3 5 50	3 14 58
	JAN. .	18 0 12	17 21 40
	FEB. .	16 12 56	16 15 40
	MAR. .	18 1 40	18 8 57
	APRIL	16 14 24	17 0 27
	MAY .	16 3 8	16 13 38
	JUNE .	14 15 52	15 0 33
	○	29 10 14	28 22 43
	JULY .	14 4 36	14 9 48
	AUG. .	12 17 20	12 18 18
	SEPT. .	11 6 4	11 3 1
	OCT. .	10 18 48	10 12 37
	NOV. .	9 7 32	8 23 32
	DEC. .	8 20 16	8 11 55
325. C.B. 25 10 0	JAN. .	7 9 1	7 1 49
	FEB. .	5 21 45	5 17 0
	MAR. .	6 10 29	6 9 6
	APRIL	4 23 13	5 1 26
	MAY .	4 11 57	4 17 15
	JUNE .	3 0 41	3 7 48
	JULY .	2 13 25	2 20 43
	AUG. .	1 2 9	1 8 8
		30 14 53	30 18 31
	SEPT. .	29 3 37	29 4 41
	OCT. .	28 16 21	28 15 1
	NOV. .	27 5 5	27 1 47
	DEC. .	26 17 49	26 13 6
324. A. 25 15 49	JAN. .	25 6 34	25 1 0
	FEB. .	23 19 18	23 13 40
	MAR. .	25 8 2	25 3 17
	APRIL	23 20 46	23 17 52
	○	8 15 8	8 19 25
	MAY .	23 9 30	23 9 8
	JUNE .	21 22 14	22 0 29
	JULY .	21 10 58	21 15 18
	AUG. .	19 23 42	20 5 10
	SEPT. .	18 12 26	18 18 2
	OCT. .	18 1 10	18 6 5
	○	1 19 32	1 10 32
	NOV. .	16 13 54	16 17 31
	DEC. .	16 2 38	16 4 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 323. G. March. *d. h. m.* 25 21 38	JAN. .	14 15 22	14 15 2
	FEB. .	13 4 6	13 1 19
	MAR. .	14 16 50	14 11 41
	APRIL	13 5 34	12 22 46
	○	27 23 56	28 10 57
	MAY .	12 18 18	12 11 9
	JUNE .	11 7 2	11 1 8
	JULY .	10 19 46	10 16 29
	AUG. .	9 8 30	9 8 37
	SEPT. .	7 21 14	8 0 47
	OCT. .	7 9 58	7 16 15
	○	22 4 20	21 15 57
	NOV. .	5 22 42	6 6 32
	DEC. .	5 11 26	5 19 29
322. F. 26 3 27	JAN. .	4 0 11	4 6 59
	FEB. .	2 12 55	2 17 9
	MAR. .	4 1 39	4 2 15
	APRIL	2 14 23	2 10 51
	MAY .	2 3 7	1 19 48
		31 15 51	31 6 1
	JUNE .	30 4 35	29 18 18
	JULY .	29 17 19	29 8 53
	AUG. .	28 6 3	28 1 31
	SEPT. .	26 18 47	26 19 16
	○	11 13 9	11 4 26
	OCT. .	26 7 31	26 13 0
	NOV. .	24 20 15	25 5 35
	DEC. .	24 8 59	24 20 13
321. E.D. 25 9 16	JAN. .	22 21 44	23 8 36
	FEB. .	21 10 28	21 18 47
	MAR. .	21 23 12	22 3 15
	APRIL	20 11 56	20 10 45
	MAY .	20 0 40	19 18 12
	JUNE .	18 13 24	18 2 42
	JULY .	18 2 8	17 13 19
	AUG. .	16 14 52	16 2 41
	○	31 9 14	31 10 52
	SEPT. .	15 3 36	14 18 54
	OCT. .	14 16 20	14 13 14
	NOV. .	13 5 4	13 8 25
	DEC. .	12 17 48	13 2 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 320. C. March. d. h. m. 25 15 4	JAN. .	11 6 32	11 19 10
	FEB. .	9 19 16	10 8 41
	○	24 13 38	24 8 41
	MAR. .	11 8 0	11 19 24
	APRIL	9 20 44	10 8 50
	MAY .	9 9 28	9 10 53
	JUNE .	7 22 12	7 17 36
	JULY .	7 10 56	7 1 5
	AUG. .	5 23 40	5 10 25
	○	20 18 2	20 23 42
	SEPT. .	4 12 24	3 22 30
	OCT. .	4 1 8	3 13 40
	NOV. .	2 13 52	2 7 33
	DEC. .	2 2 36	2 3 0
		31 15 20	31 22 20
319. B. 25 20 58	JAN. .	30 4 5	30 15 59
	○	13 22 27	13 17 53
	FEB. .	28 16 49	1 6 47
	MAR. .	30 5 38	30 18 30
	APRIL	28 18 17	29 3 35
	MAY .	28 7 1	28 10 55
	JUNE .	26 19 45	26 17 39
	JULY .	26 8 29	26 0 51
	○	10 2 51	10 5 40
	AUG. .	24 21 13	24 9 33
	SEPT. .	23 9 57	22 20 35
	OCT. .	22 22 41	22 10 25
	NOV. .	21 11 25	21 3 1
	DEC. .	21 0 9	20 21 31
318. A. 26 2 42	JAN. .	19 12 54	19 16 38
	FEB. .	18 1 38	18 10 45
	MAR. .	19 14 22	20 2 37
	APRIL	18 3 6	18 15 41
	MAY .	17 15 50	18 2 2
	JUNE .	16 4 34	16 10 25
	JULY .	15 17 18	15 17 54
	AUG. .	14 6 2	14 1 32
	SEPT. .	12 18 46	12 10 14
	OCT. .	12 7 30	11 20 41
	NOV. .	10 20 14	10 9 18
	DEC. .	10 8 58	10 0 7
	○	25 3 20	25 13 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 317. G.F. March. d. h. m. 25 8 31	JAN. .	8 21 42	8 16 47
	FEB. .	7 10 26	7 10 27
	MAR. .	7 23 10	8 4 1
	APRIL	6 11 54	6 20 24
	MAY .	6 0 38	6 10 45
	JUNE .	4 13 22	4 22 49
	○	19 7 44	18 20 30
	JULY .	4 2 6	4 8 57
	AUG. .	2 14 50	2 17 55
	SEPT. .	1 8 34	1 2 40
		30 16 18	30 11 57
	OCT. .	30 5 2	29 22 18
	NOV. .	28 17 46	28 9 57
	○	13 12 8	13 22 38
	DEC. .	28 6 30	27 22 57
316. E. 25 14 20	JAN. .	26 19 15	26 13 17
	FEB. .	25 7 59	25 4 42
	MAR. .	26 20 43	26 20 45
	APRIL	25 9 27	25 12 47
	MAY .	24 22 11	25 4 0
	○	8 16 33	8 9 29
	JUNE .	23 10 55	23 17 51
	JULY .	22 23 39	23 6 12
	AUG. .	21 12 23	21 17 20
	SEPT. .	20 1 7	20 3 48
	OCT. .	19 13 51	19 14 11
	NOV. .	18 2 35	18 0 49
	○	2 20 57	3 0 38
	DEC. .	17 15 19	17 11 49
315. D. 25 20 9	JAN. .	16 4 4	15 23 16
	FEB. .	14 16 48	14 11 14
	MAR. .	16 5 32	16 0 2
	APRIL	14 18 16	14 13 53
	MAY .	14 7 0	14 4 43
	○	29 1 22	29 2 29
	JUNE .	12 19 44	12 20 4
	JULY .	12 8 28	12 11 20
	AUG. .	10 21 12	11 1 58
	SEPT. .	9 9 56	9 15 33
	OCT. .	8 22 40	9 4 20
	NOV. .	7 11 24	7 16 16
	DEC. .	7 0 8	7 3 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 314. C. March. d. h. m. 26 1 57	JAN.	5 12 52	5 14 14
	FEB.	4 1 36	4 0 27
	MAR.	5 14 20	5 10 26
	APRIL	4 8 4	3 20 48
	MAY	3 15 48	3 8 14
	JUNE	2 4 32	1 21 15
	JULY	1 17 16	1 11 56
		31 6 0	31 3 53
	AUG.	29 18 44	29 20 22
	SEPT.	28 7 28	28 12 33
	OCT.	27 20 12	28 3 45
	NOV.	26 8 56	26 17 34
	DEC.	25 21 40	26 5 49
313. B.A. 25 7 46	JAN.	24 10 25	24 16 33
	FEB.	22 23 9	23 1 57
	MAR.	23 11 53	23 10 30
	○ APRIL	7 6 15	7 17 8
		22 0 37	21 18 56
	MAY	21 13 21	21 4 13
	JUNE	20 2 5	19 15 17
	JULY	19 14 49	19 4 42
	AUG.	18 3 33	17 20 29
	SEPT.	16 16 17	16 14 0
	○ OCT.	1 10 39	1 3 35
		16 5 1	16 8 8
	NOV.	14 17 45	15 1 33
	DEC.	14 6 29	14 17 27
312. G. 25 13 35	JAN.	12 19 13	13 6 57
	FEB.	11 7 57	11 18 7
	MAR.	12 20 41	13 3 12
	○	27 15 3	27 18 15
	APRIL	11 9 25	11 10 54
	MAY	10 22 9	10 18 6
	JUNE	9 10 53	9 1 52
	JULY	8 23 37	8 11 15
	AUG.	7 12 21	6 23 13
	SEPT.	6 1 5	5 14 7
	○	20 19 27	20 19 47
	OCT.	5 13 49	5 7 40
	NOV.	4 2 33	4 2 46
	DEC.	3 15 17	3 21 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 311. F. March. d. h. m. 25 19 24	JAN.	2 4 1	2 15 24
		31 16 46	...
	FEB.	...	1 6 22
	MAR.	2 5 30	2 18 22
		31 18 14	1 3 44
	APRIL	30 6 58	30 11 15
	MAY	29 19 42	29 17 57
	JUNE	28 8 26	28 0 54
	JULY	27 21 10	27 9 13
	AUG.	26 9 54	25 19 55
	SEPT.	24 22 38	24 9 36
	OCT.	24 11 22	24 2 17
	NOV.	23 0 6	22 21 10
	DEC.	22 12 50	22 16 45
310. E. 26 1 13	JAN.	21 1 35	21 11 23
	○ FEB.	4 19 57	4 16 34
		19 14 19	20 3 37
	MAR.	21 3 3	21 16 47
	APRIL	19 15 47	20 3 2
	MAY	19 4 31	19 11 5
	JUNE	17 17 15	17 18 2
	JULY	17 5 59	17 0 57
	AUG.	15 18 43	15 8 54
	SEPT.	14 7 27	13 18 47
	OCT.	13 20 11	13 7 16
	NOV.	12 8 55	11 22 33
	DEC.	11 21 39	11 16 9
309. D.C. 25 7 2	JAN.	10 10 23	10 10 59
	○	25 4 45	25 8 7
	FEB.	8 23 7	9 5 37
	MAR.	9 11 51	9 22 37
	APRIL	8 0 35	8 13 3
	MAY	7 13 19	8 0 42
	JUNE	6 2 3	6 10 1
	JULY	5 14 47	5 17 56
	○	20 9 9	20 1 39
	AUG.	4 3 31	4 1 33
	SEPT.	2 16 15	2 9 47
	OCT.	2 4 59	1 19 26
		31 17 43	31 7 0
	NOV.	30 6 27	29 20 42
	DEC.	29 19 11	29 12 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 308. B. March. *d. h. m.* 25 12 50	○	18 18 33	18 23 38
	JAN. .	28 7 56	28 5 23
	FEB. .	26 20 40	26 22 55
	MAR. .	28 9 24	28 15 52
	APRIL	26 22 8	27 7 14
	MAY .	26 10 52	26 20 28
	JUNE .	24 23 36	25 7 38
	○	9 17 58	9 5 42
	JULY .	24 12 20	24 17 17
	AUG. .	23 1 4	23 2 17
	SEPT. .	21 13 48	21 11 25
	OCT. .	21 2 32	20 21 21
	NOV. .	19 15 16	19 8 23
	DEC. .	19 4 0	18 20 38
307. A. 25 18 39	JAN. .	17 16 45	17 10 6
	FEB. .	16 5 29	16 0 42
	MAR. .	17 18 13	17 16 13
	APRIL	16 6 57	16 8 9
	MAY .	15 19 41	15 23 46
	JUNE .	14 8 25	14 14 26
	JULY .	13 21 9	14 3 42
	AUG. .	12 9 53	12 15 39
	SEPT. .	10 22 37	11 2 40
	OCT. .	10 11 21	10 13 17
	NOV. .	9 0 5	8 23 55
	DEC. .	8 12 49	8 10 46
306. G. 26 0 28	JAN. .	7 1 33	6 21 51
	FEB. .	5 14 17	5 9 17
	MAR. .	7 3 1	6 21 20
	APRIL	5 15 45	5 10 21
	MAY .	5 4 29	5 0 30
	○	19 22 51	20 2 51
	JUNE .	3 17 13	3 15 33
	JULY .	3 5 57	3 7 1
	AUG.	1 18 41	1 22 13
		31 7 25	31 12 40
	SEPT. .	29 20 9	30 2 10
	OCT. .	29 8 53	29 14 42
	○	13 3 15	12 18 37
	NOV. .	27 21 37	28 2 26
	DEC. .	27 10 21	27 13 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 305. F.E. March. *d. h. m.* 25 6 17	JAN. .	25 23 6	25 23 42
	FEB. .	24 11 50	24 9 31
	MAR. .	25 0 34	24 19 20
	APRIL	23 13 18	23 5 55
	○	8 7 40	8 18 14
	MAY .	23 2 2	22 17 53
	JUNE .	21 14 46	21 7 40
	JULY .	21 3 30	20 23 7
	AUG. .	19 16 14	19 15 38
	SEPT. .	18 4 58	18 8 20
	OCT. .	17 17 42	18 0 23
	○	1 12 4	1 0 25
	NOV. .	16 6 26	16 15 8
	DEC. .	15 19 10	16 4 17
304. D. 25 12 6	JAN. .	14 7 55	14 15 44
	FEB. .	12 20 39	13 1 36
	MAR. .	14 9 23	14 10 18
	APRIL	12 22 7	12 18 28
	○	27 16 29	28 3 27
	MAY .	12 10 51	12 3 1
	JUNE .	10 23 35	10 12 58
	JULY .	10 12 19	10 1 7
	AUG. .	9 1 8	8 15 48
	SEPT. .	7 13 47	7 8 43
	OCT. .	7 2 31	7 2 55
	○	21 20 53	21 13 8
	NOV. .	5 15 15	5 21 5
	DEC. .	5 3 59	5 14 0
303. C. 25 17 55	JAN. .	3 16 43	4 4 46
	FEB. .	2 5 27	2 17 2
	MAR. .	3 18 11	4 2 56
	APRIL	2 6 55	2 11 5
	MAY .	1 19 39	1 18 16
		31 8 23	31 1 31
	JUNE .	29 21 7	29 9 55
	JULY .	29 9 51	28 20 30
	AUG. .	27 22 35	27 9 59
	SEPT. .	26 11 19	26 2 25
	OCT. .	26 0 3	25 21 0
	NOV. .	24 12 47	24 16 24
	DEC. .	24 1 31	24 10 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 302. B. March. d. h. m. 25 23 43	JAN.	22 14 16	23 8 18
	FEB.	21 8 0	21 16 43
	○	7 21 22	7 16 11
	MAR.	22 15 44	23 8 13
	APRIL	21 4 28	21 11 27
	MAY	20 17 12	20 18 22
	JUNE	19 5 56	19 1 8
	JULY	18 18 40	18 8 35
	AUG.	17 7 24	16 18 4
	○	1 1 46	1 7 24
	SEPT.	15 20 8	15 6 17
	OCT.	15 8 52	14 21 35
	NOV.	13 21 36	13 15 32
	DEC.	13 10 20	13 10 57
301. A.G. 25 5 32	JAN.	11 23 5	12 6 13
	FEB.	10 11 49	10 23 41
	○	25 6 11	25 1 59
	MAR.	11 0 33	11 14 20
	APRIL	9 13 17	10 1 57
	MAY	9 2 1	9 10 58
	JUNE	7 14 45	7 18 21
	JULY	7 3 29	7 1 12
	AUG.	5 16 13	5 8 38
	○	20 10 35	20 12 47
	SEPT.	4 4 57	3 17 36
	OCT.	3 17 41	3 4 49
	NOV.	2 6 25	1 18 44
	DEC.	1 19 9	1 11 13
		31 7 53	31 5 28
300. F. 25 11 21	JAN.	29 20 37	30 0 12
	FEB.	28 9 21	28 18 1
	MAR.	29 22 5	30 9 44
	APRIL	28 10 49	28 22 43
	MAY	27 23 33	28 9 10
	JUNE	26 12 17	26 17 46
	JULY	26 1 1	26 1 33
	AUG.	24 13 45	24 9 34
	SEPT.	23 2 29	22 18 36
	OCT.	22 15 13	22 5 17
	NOV.	21 3 57	20 17 55
	DEC.	20 16 41	20 8 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 299. E. March. d. h. m. 25 17 10	○	4 11 3	4 22 2
	JAN.	19 5 26	19 0 43
	FEB.	17 18 10	17 17 51
	MAR.	19 6 54	19 11 1
	APRIL	17 19 38	18 3 9
	MAY	17 8 22	17 17 30
	JUNE	15 21 6	16 5 46
	○	30 15 28	30 3 34
	JULY	15 9 50	15 16 16
	AUG.	13 22 34	14 1 43
	SEPT.	12 11 18	12 10 55
	OCT.	12 0 2	11 20 37
	NOV.	10 12 46	10 7 10
	DEC.	10 1 30	9 18 46
	○	24 19 52	25 6 6
298. D. 25 22 50	JAN.	8 14 14	8 7 27
	FEB.	7 2 58	6 21 13
	MAR.	8 15 42	8 12 1
	APRIL	7 4 26	7 3 33
	MAY	6 17 10	6 19 17
	JUNE	5 5 54	5 10 30
	○	20 0 16	19 16 50
	JULY	4 18 38	5 0 38
	AUG.	3 7 22	3 13 28
	SEPT.	1 20 6	2 1 10
	OCT.	1 8 50	1 12 11
		30 21 34	30 22 59
	NOV.	29 10 18	29 9 48
	○	14 4 40	14 8 35
	DEC.	28 23 2	28 20 41
297. C.B. 25 4 48	JAN.	27 11 47	27 7 45
	FEB.	26 0 31	25 19 10
	MAR.	26 13 15	26 7 21
	APRIL	25 1 59	24 20 41
	MAY	24 14 43	24 11 11
	○	8 9 5	8 9 55
	JUNE	23 3 27	23 2 31
	JULY	22 16 11	22 18 5
	AUG.	21 4 55	21 9 13
	SEPT.	19 17 39	19 23 30
	OCT.	19 6 23	19 12 47
	NOV.	17 19 7	18 1 5
	DEC.	17 7 51	17 12 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 296.		d. h. m.	d. h. m.
A. March. d. h. m. 25 10 36	JAN.	15 20 36	15 23 1
	FEB.	14 9 20	14 8 50
	MAR.	15 22 4	15 18 19
	APRIL	14 10 48	14 4 9
	MAY	18 23 32	18 15 7
	JUNE	12 12 16	12 8 58
	JULY	12 1 0	11 18 33
	AUG.	10 13 44	10 10 44
	SEPT.	9 2 28	9 8 43
	OCT.	8 15 12	8 20 27
	NOV.	7 8 56	7 12 9
	DEC.	6 16 40	7 2 17
295. G. 25 16 25	JAN.	5 5 24	5 14 35
	FEB.	3 18 8	4 1 6
	MAR.	5 6 52	5 10 7
	APRIL	3 19 36	3 18 14
	○	18 13 58	19 0 1
	MAY	3 8 20	3 2 17
	JUNE	1 21 4	1 11 17
	JULY	1 9 48	30 22 11
		30 22 32	30 11 37
	AUG.	29 11 16	29 3 36
	SEPT.	28 0 0	27 21 28
	○	12 18 22	12 12 12
	OCT.	27 12 44	27 16 1
	NOV.	26 1 28	26 9 52
	DEC.	25 14 12	26 1 54
294. F. 25 22 14	JAN.	24 2 57	24 15 24
	FEB.	22 15 41	23 2 20
	MAR.	24 4 25	24 11 8
	○	7 22 47	8 1 2
	APRIL	22 17 9	22 18 33
	MAY	22 5 58	22 1 32
	JUNE	20 18 37	20 9 8
	JULY	20 7 21	19 18 31
	AUG.	18 20 5	18 6 33
	SEPT.	17 8 49	16 21 38
	○	2 3 11	2 4 15
	OCT.	16 21 33	16 15 23
	NOV.	15 10 17	15 10 41
	DEC.	14 23 1	15 5 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 293.		d. h. m.	d. h. m.
E.D. March. d. h. m. 25 4 8	JAN.	13 11 46	13 23 32
	FEB.	12 0 30	12 14 23
	MAR.	12 13 14	13 2 12
	○	27 7 36	27 2 50
	APRIL	11 1 58	11 11 23
	MAY	10 14 42	10 18 45
	JUNE	9 3 26	9 1 24
	JULY	8 16 10	8 8 24
	AUG.	7 4 54	6 16 51
	SEPT.	5 17 38	5 8 42
	OCT.	5 6 22	4 17 33
	NOV.	3 19 6	3 10 18
	DEC.	3 7 50	3 5 9
292. C. 25 9 52	JAN.	1 20 34	2 0 38
		31 9 18	31 19 4
	FEB. ○	15 3 40	15 0 50
	MAR.	1 22 2	2 11 9
		31 10 46	1 0 12
	APRIL	29 23 30	30 10 22
	MAY	29 12 14	29 18 27
	JUNE	28 0 58	28 1 30
	JULY	27 13 42	27 8 39
	AUG.	26 2 26	25 16 51
	SEPT.	24 15 10	24 2 59
	OCT.	24 3 54	23 15 36
	NOV.	22 16 38	22 6 50
	DEC.	22 5 22	22 0 12
291. B. 25 15 40	JAN.	20 18 7	20 18 43
	○	4 12 29	4 16 40
	FEB.	19 6 51	19 13 0
	MAR.	20 19 35	21 5 44
	APRIL	19 8 19	19 20 8
	MAY	18 21 3	19 7 45
	JUNE	17 9 47	17 17 15
	JULY	16 22 31	17 1 29
	○	31 16 53	31 8 28
	AUG.	15 11 15	15 9 27
	SEPT.	13 23 59	13 18 4
	OCT.	13 12 43	13 4 2
	NOV.	12 1 27	11 15 42
	DEC.	11 14 11	11 5 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 290.	JAN. .	10 2 56	9 20 31
A.	○	24 21 18	25 8 12
March.	FEB. .	8 15 40	8 13 2
d h. m.	MAR. .	10 4 24	10 6 4
25 21 29	APRIL	8 17 8	8 22 39
	MAY .	8 5 52	8 18 54
	JUNE .	6 18 36	7 3 16
	JULY .	6 7 20	6 14 46
	○	21 1 42	20 12 47
	AUG. .	4 20 4	5 0 53
	SEPT. .	3 8 48	3 10 21
	OCT. .	2 21 32	2 19 57
	NOV. .	1 10 16	1 6 12
		30 23 0	30 17 18
	DEC. .	30 11 44	30 5 18
289.	JAN. .	29 0 28	28 18 18
G.F.	FEB. .	27 13 12	27 8 18
25 3 18	MAR. .	28 1 56	27 23 13
	APRIL	26 14 40	26 14 44
	MAY .	26 3 24	26 6 13
	JUNE .	24 16 8	24 21 2
	JULY .	24 4 52	24 10 45
	AUG. .	22 17 36	22 23 15
	SEPT. .	21 6 20	21 10 50
	OCT. .	20 19 4	20 21 56
	NOV. .	19 7 48	19 8 51
	DEC. .	18 20 32	18 19 42
288.	JAN. .	17 9 16	17 6 30
E.	FEB. .	15 22 0	15 17 26
25 9 7	MAR. .	17 10 45	17 4 55
	APRIL	15 23 29	15 17 22
	MAY .	15 12 13	15 7 6
	○	30 6 35	30 10 17
	JUNE .	14 0 57	13 22 0
	JULY .	13 13 41	13 13 37
	AUG. .	12 2 25	12 5 16
	SEPT. .	10 15 9	10 20 19
	OCT. .	10 3 53	10 10 21
	NOV. .	8 16 37	8 23 25
	○	23 10 59	23 2 47
	DEC. .	8 5 21	8 11 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 287.	JAN. .	6 18 6	6 22 17
D.	FEB. .	5 6 50	5 8 15
March.	MAR. .	6 19 34	6 17 35
d. h. m.	APRIL	5 8 18	5 2 54
25 14 55	MAY .	4 21 2	4 12 59
	○	19 15 24	20 1 26
	JUNE .	3 9 46	3 0 39
	JULY .	2 22 30	2 14 18
	AUG. .	1 11 14	1 5 52
		30 23 58	30 22 47
	SEPT. .	29 12 42	29 16 0
	OCT. .	29 1 26	29 8 35
	○	12 19 48	12 8 58
	NOV. .	27 14 10	27 23 44
	DEC. .	27 2 54	27 13 2
286.	JAN. .	25 15 38	26 0 21
C.	FEB. .	24 4 22	24 9 53
25 20 44	MAR. .	25 17 6	25 18 11
	APRIL	24 5 50	24 1 59
	○	9 0 12	9 10 15
	MAY .	23 18 34	23 10 13
	JUNE .	22 7 18	21 19 57
	JULY .	21 20 2	21 8 2
	AUG. .	20 8 46	19 22 52
	SEPT. .	18 21 30	18 16 4
	OCT. .	18 10 14	18 10 38
	○	2 4 36	1 21 55
	NOV. .	16 22 58	17 5 11
	DEC. .	16 11 42	16 22 21
285.	JAN. .	15 0 27	15 13 11
B.A.	FEB. .	13 13 11	14 1 18
25 2 33	MAR. .	14 1 55	14 10 58
	APRIL	12 14 39	12 18 48
	MAY .	12 3 23	12 1 45
	JUNE .	10 16 7	10 8 51
	JULY .	10 4 51	9 17 12
	AUG. .	8 17 35	8 8 51
	SEPT. .	7 6 19	6 17 29
	OCT. .	6 19 3	6 10 4
	NOV. .	5 7 47	5 4 52
	DEC. .	4 20 31	5 0 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 284. G. March. d. h. m. 25 8 22		d. h. m.	d. h. m.
	JAN. .	8 9 15	8 19 2
	FEB. .	1 21 59	2 11 18
	MAR. .	3 10 43	4 0 33
	○	18 5 5	17 23 35
	APRIL	1 23 27	2 10 53
	MAY .	1 12 11	1 18 58
		31 0 55	31 1 49
	JUNE .	29 13 39	29 8 31
	JULY .	29 2 23	28 16 10
	AUG. .	27 15 7	27 1 50
	○	11 9 29	11 15 12
	SEPT. .	26 3 51	25 14 13
	OCT. .	25 16 35	25 5 37
	NOV. .	24 5 19	23 23 33
	DEC. .	23 18 3	23 18 52
283. F. 25 14 11	JAN. .	22 6 48	22 13 57
	FEB. .	20 19 32	21 7 14
	○	7 13 54	7 9 56
	MAR. .	22 8 16	22 21 44
	APRIL	20 21 0	21 9 14
	MAY .	20 9 44	20 18 16
	JUNE .	18 22 23	19 1 45
	JULY .	18 11 12	18 8 50
	AUG. .	16 23 56	16 16 31
	○	31 18 18	31 20 4
	SEPT. .	15 12 40	15 1 45
	OCT. .	15 1 24	14 13 11
	NOV. .	13 14 8	13 3 7
	DEC. .	13 2 52	12 19 25
282. E. 25 20 0	JAN. .	11 15 37	11 13 20
	FEB. .	10 4 21	10 7 42
	○	24 22 43	25 1 26
	MAR. .	11 17 5	12 1 11
	APRIL	10 5 49	10 16 41
	MAY .	9 18 33	10 5 41
	JUNE .	8 7 17	8 16 17
	JULY .	7 20 1	8 1 11
	AUG. .	6 8 45	6 9 19
	SEPT. .	4 21 29	4 17 45
	OCT. .	4 10 13	4 3 8
	NOV. .	2 22 57	2 14 1
	DEC. .	2 11 41	2 2 35
		...	31 16 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 281. D.C. March. d. h. m. 25 1 48		d. h. m.	d. h. m.
	JAN. ○	1 0 25	...
		15 18 47	16 6 35
		30 13 9	30 8 34
	FEB. .	29 1 53	29 1 10
	MAR. .	29 14 37	29 17 52
	APRIL	28 3 21	28 9 47
	MAY .	27 16 5	28 0 9
	JUNE .	26 4 49	26 12 42
	○	10 23 11	10 10 43
	JULY .	25 17 33	25 23 38
	AUG. .	24 6 17	24 9 35
	SEPT. .	22 19 1	22 19 18
	OCT. .	22 7 45	22 5 22
	NOV. .	20 20 29	20 16 5
	DEC. .	20 9 13	20 3 34
280. B. 25 7 37	○	4 3 35	4 15 7
	JAN. .	18 21 58	18 15 52
	FEB. .	17 10 42	17 5 4
	MAR. .	18 23 26	18 19 15
	APRIL	17 12 10	17 10 17
	MAY .	17 0 54	17 1 45
	JUNE .	15 13 33	15 17 0
	○	30 8 0	30 0 16
	JULY .	15 2 22	15 7 29
	AUG. .	13 15 6	13 20 50
	SEPT. .	12 3 50	12 9 8
	OCT. .	11 16 34	11 20 42
	NOV. .	10 5 18	10 7 51
	DEC. .	9 18 2	9 18 46
	○	24 12 24	24 16 34
279. A. 25 13 26	JAN. .	8 6 46	8 5 29
	FEB. .	6 19 30	6 16 6
	MAR. .	8 8 14	8 2 58
	APRIL	6 20 58	6 14 34
	MAY .	6 9 42	6 3 24
	JUNE .	4 22 26	4 17 39
	○	19 16 48	19 17 22
	JULY .	4 11 10	4 9 1
	AUG. .	2 23 54	3 0 54
	SEPT. .	1 12 38	1 16 35
	OCT. .	1 1 22	1 7 29
		30 14 6	30 21 19
	NOV. .	29 2 50	29 9 56
	DEC. .	28 15 34	28 21 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 278. G. March. d. h. m. 25 19 15		d. h. m.	d. h. m.
	JAN.	27 4 19	27 7 40
	FEB.	25 17 8	25 17 4
	MAR.	27 5 47	27 2 8
	APRIL	25 18 31	25 11 25
	MAY	25 7 15	24 22 1
	JUNE	23 19 59	23 10 32
	JULY	23 8 43	23 1 14
	AUG.	21 21 27	21 17 43
	SEPT.	20 10 11	20 11 9
	OCT.	19 22 55	20 4 25
	NOV.	18 11 39	18 20 35
	DEC.	18 0 23	18 10 57
277. F.E. 25 1 4	JAN.	16 13 8	16 23 14
	FEB.	15 1 52	15 9 31
	MAR.	15 14 36	15 18 11
	APRIL	14 3 20	14 1 55
	○	28 21 42	29 6 45
	MAY	13 16 4	13 9 38
	JUNE	12 4 48	11 18 23
	JULY	11 17 32	11 5 11
	AUG.	10 6 16	9 18 40
	SEPT.	8 19 0	8 10 53
	OCT.	8 7 44	8 5 4
	○	23 2 6	22 20 57
	NOV.	6 20 28	6 23 59
	DEC.	6 9 12	6 18 8
276. D. 25 6 53	JAN.	4 21 57	5 10 17
	FEB.	3 10 41	3 23 43
	MAR.	4 23 25	5 10 26
	APRIL	3 12 9	3 18 57
	○	18 6 31	18 7 42
	MAY	3 0 53	3 2 6
	JUNE	1 13 37	1 8 56
	JULY	1 2 21	30 16 29
		30 15 5	30 1 54
	AUG.	29 3 49	28 14 2
	SEPT.	27 16 33	27 5 17
	○	12 10 55	12 12 51
	OCT.	27 5 17	26 23 13
	NOV.	25 18 1	25 18 33
	DEC.	25 6 45	25 13 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 275. C. March. d. h. m. 25 12 41		d. h. m.	d. h. m.
	JAN.	23 19 29	24 7 30
	FEB.	22 8 13	22 22 14
	MAR.	23 20 57	24 9 53
	○	7 15 19	7 9 53
	APRIL	22 9 41	22 18 55
	MAY	21 22 25	22 2 13
	JUNE	20 11 9	20 8 52
	JULY	19 23 53	19 15 58
	AUG.	18 12 37	18 0 37
	SEPT.	17 1 21	16 11 40
	○	1 19 43	2 1 47
	OCT.	16 14 5	16 1 37
	NOV.	15 2 49	14 18 23
	DEC.	14 15 33	14 13 8
274. E. 25 18 30	JAN.	13 4 18	13 8 27
	FEB.	11 17 2	12 2 40
	○	26 11 24	26 9 1
	MAR.	13 5 46	13 18 32
	APRIL	11 18 30	12 7 28
	MAY	11 7 14	11 17 38
	JUNE	9 19 58	10 1 49
	JULY	9 8 42	9 9 3
	AUG.	7 21 26	7 16 28
	SEPT.	6 10 10	6 0 59
	OCT.	5 22 54	5 11 23
	NOV.	4 11 38	4 0 5
	DEC.	4 0 22	3 15 12
273. A.G. 25 0 19	JAN.	2 13 6	2 8 15
	FEB.	1 1 50	1 2 20
	○	15 20 12	16 1 15
	MAR.	1 14 34	1 20 18
		31 3 18	31 12 41
	APRIL	29 16 2	30 2 56
	MAY	29 4 46	29 14 44
	JUNE	27 17 30	28 0 30
	JULY	27 6 14	27 9 6
	○	11 0 36	10 15 25
	AUG.	25 18 58	25 17 28
	SEPT.	24 7 42	24 2 30
	OCT.	23 20 26	23 12 44
	NOV.	22 9 10	22 0 27
	DEC.	21 21 54	21 13 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 272. F. March. d. h. m. 25 6 8	JAN. .	20 10 39	20 4 36
	○	4 5 1	4 16 35
	FEB. .	18 23 23	18 20 33
	MAR. .	20 12 7	20 13 3
	APRIL	19 0 51	19 5 18
	MAY .	18 13 35	18 20 27
	JUNE .	17 2 19	17 10 2
	JULY .	16 15 8	16 21 56
	○	31 9 25	30 20 1
	AUG. .	15 8 47	15 8 32
	SEPT. .	13 16 31	13 18 33
	OCT. .	13 5 15	13 4 36
	NOV. .	11 17 59	11 15 7
	DEC. .	11 6 43	11 2 11
271. E. 25 11 57	JAN. .	9 19 28	9 13 56
	FEB. .	8 8 12	8 2 24
	MAR. .	9 20 56	9 15 46
	APRIL	8 9 40	8 6 8
	MAY .	7 22 24	7 21 16
	JUNE .	6 11 8	6 12 40
	JULY .	5 23 52	6 3 43
	AUG. .	4 12 36	4 17 53
	SEPT. .	3 1 20	3 6 58
	OCT. .	2 14 4	2 19 10
	NOV. .	1 2 48	1 6 42
		30 15 32	30 17 50
	DEC. .	30 4 16	30 4 26
270. D. 25 17 46	JAN. .	28 17 0	28 15 3
	FEB. .	27 5 44	27 1 29
	MAR. .	28 18 28	28 12 22
	APRIL	27 7 12	27 0 16
	MAY .	26 19 56	26 13 39
	○	10 14 18	10 17 40
	JUNE .	25 8 40	25 4 29
	JULY .	24 21 24	24 20 18
	AUG. .	23 10 8	23 12 24
	SEPT. .	21 22 52	22 4 3
	OCT. .	21 11 36	21 18 43
	NOV. .	20 0 20	20 8 9
	○	4 18 42	4 10 58
	DEC. .	19 13 4	19 20 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 269. C.B. March. d. h. m. 24 23 34	JAN. .	18 1 49	18 7 1
	FEB. .	16 14 33	16 16 39
	MAR. .	17 3 17	17 1 31
	APRIL	15 16 1	15 10 21
	MAY .	15 4 45	14 20 2
	○	29 23 7	30 8 34
	JUNE .	13 17 29	13 7 24
	JULY .	13 6 13	12 21 0
	AUG. .	11 18 57	11 12 45
	SEPT. .	10 7 41	10 6 2
	OCT. .	9 20 25	9 23 45
	NOV. .	8 9 9	8 16 49
	○	23 3 31	22 17 36
	DEC. .	7 21 53	8 8 18
268. A. 25 5 23	JAN. .	6 10 38	6 21 41
	FEB. .	4 23 22	5 8 50
	MAR. .	6 12 6	6 18 4
	APRIL	5 0 50	5 2 0
	MAY .	4 13 34	4 9 26
	○	19 7 56	19 16 59
	JUNE .	3 2 18	2 17 26
	JULY .	2 15 2	2 3 1
			31 15 7
	AUG. .	1 3 46	
		30 16 30	30 6 5
	SEPT. .	29 5 14	28 23 33
	OCT. .	28 17 58	28 18 27
	NOV. .	12 12 20	12 6 49
		27 6 42	27 13 19
	DEC. .	26 19 26	27 6 39
267. G. 25 11 12	JAN. .	25 8 10	25 21 27
	FEB. .	23 20 54	24 9 24
	MAR. .	25 9 38	25 18 49
	APRIL	23 22 22	24 2 25
	MAY .	23 11 6	23 9 12
	JUNE .	21 23 50	21 16 12
	JULY .	21 12 34	21 0 36
	AUG. .	20 1 18	19 11 20
	SEPT. .	18 14 2	18 1 6
	OCT. .	18 2 46	17 17 52
	NOV. .	16 15 30	16 12 47
	DEC. .	16 4 14	16 8 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 266. F. March. d. h. m. 25 17 1		d. h. m.	d. h. m.
	JAN.	14 16 59	15 2 59
	FEB.	13 5 43	13 19 9
	MAR.	14 18 27	15 8 15
	○	29 12 49	29 6 52
	APRIL	13 7 11	13 18 26
	MAY	12 19 55	13 2 26
	JUNE	11 8 39	11 9 15
	JULY	10 21 23	10 16 4
	AUG.	9 10 7	8 23 55
	SEPT.	7 22 51	7 9 47
	○	22 17 13	22 23 7
	OCT.	7 11 35	6 21 20
	NOV.	6 0 19	5 13 47
	DEC.	5 13 8	5 7 38
265. E.D. 24 22 50	JAN.	4 1 48	4 2 46
	FEB.	2 14 32	2 21 35
	MAR.	3 3 16	3 14 37
	○	17 21 38	17 17 47
	APRIL	1 16 0	2 4 59
	MAY	1 4 44	1 16 27
		30 17 28	31 1 32
	JUNE	29 6 12	29 9 13
	JULY	28 18 56	28 16 33
	AUG.	27 7 40	27 0 35
	○	11 2 2	11 3 22
	SEPT.	25 20 24	25 10 7
	OCT.	25 9 8	24 21 43
	NOV.	23 21 52	23 11 36
	DEC.	23 10 36	23 3 38
264. C. 25 4 39	JAN.	21 23 20	21 21 7
	FEB.	20 12 4	20 15 2
	○	7 6 26	7 9 35
	MAR.	22 0 48	22 8 10
	APRIL	20 13 32	20 23 31
	MAY	20 2 16	20 12 34
	JUNE	18 15 0	18 23 22
	JULY	18 3 44	18 8 37
	AUG.	16 16 28	16 17 13
	SEPT.	15 5 12	15 2 3
	OCT.	14 17 56	14 11 47
	NOV.	13 6 40	12 22 49
	DEC.	12 19 24	12 11 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 263. B. March. d. h. m. 25 10 27		d. h. m.	d. h. m.
	JAN.	11 8 9	11 1 10
	○	26 2 31	26 15 1
	FEB.	9 20 53	9 16 20
	MAR.	11 9 37	11 8 21
	APRIL	9 22 21	10 0 37
	MAY	9 11 5	9 16 19
	JUNE	7 23 49	8 6 48
	JULY	7 12 33	7 19 41
	AUG.	6 1 17	6 7 6
	SEPT.	4 14 1	4 17 37
	OCT.	4 2 45	4 3 49
	NOV.	2 15 29	2 14 14
	DEC.	2 4 13	2 1 2
		31 16 58	31 12 21
262. A. 25 16 16	○	15 11 20	15 23 14
	JAN.	30 5 42	30 0 12
	FEB.	28 18 26	28 12 49
	MAR.	30 7 10	30 2 23
	APRIL	28 19 54	28 16 56
	MAY	28 8 38	28 8 12
	JUNE	26 21 22	26 23 33
	○	11 15 44	11 7 47
	JULY	26 10 6	26 14 24
	AUG.	24 22 50	25 4 18
	SEPT.	23 11 34	23 17 13
	OCT.	23 0 18	23 5 19
	NOV.	21 13 2	21 16 46
	DEC.	21 1 46	21 3 43
261. G.F. 24 22 5	○	4 20 8	5 0 25
	JAN.	19 14 30	19 14 12
	FEB.	18 3 14	18 0 22
	MAR.	18 15 58	18 10 40
	APRIL	17 4 42	16 21 43
	MAY	16 17 26	16 10 9
	JUNE	15 6 10	15 0 10
	○	30 0 32	30 0 52
	JULY	14 18 54	14 15 37
	AUG.	13 7 38	13 7 51
	SEPT.	11 20 22	12 0 5
	OCT.	11 9 6	11 15 35
	NOV.	9 21 50	10 5 53
	DEC.	9 10 34	9 18 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 260.		d. h. m.	d. h. m.
E. March. d. h. m. 25 8 54	JAN. .	7 23 19	8 6 11
	FEB. .	6 12 8	6 16 18
	MAR. .	8 0 47	8 1 11
	APRIL	6 18 31	6 9 43
	MAY .	6 2 15	5 18 38
	JUNE .	4 14 59	4 4 55
	JULY .	4 3 43	3 17 18
	AUG. .	2 16 27	2 8 4
	SEPT. .	1 5 11	1 0 50
		30 17 55	30 18 43
	OCT. .	30 6 39	30 12 29
	NOV. .	28 19 23	29 5 2
	DEC. .	28 8 7	28 19 33
259. D. 25 9 43	JAN. .	26 20 52	27 7 47
	FEB. .	25 9 36	25 17 47
	MAR. .	26 22 20	27 2 6
	APRIL	25 11 4	25 9 30
	○ MAY .	10 5 26	10 13 25
		24 23 48	24 16 56
	JUNE .	23 12 32	23 1 32
	JULY .	23 1 16	22 12 17
	AUG. .	21 14 0	21 1 52
	SEPT. .	20 2 44	19 18 17
	OCT. .	19 15 28	19 12 47
	○ NOV. .	3 9 50	3 5 48
		18 4 12	18 8 0
	DEC. .	17 16 56	18 2 22
258. C. 25 15 32	JAN. .	16 5 40	16 18 31
	FEB. .	14 18 24	15 7 50
	MAR. .	16 7 8	16 18 20
	APRIL	14 19 52	15 2 38
	○	29 14 14	29 14 18
	MAY .	14 8 36	14 9 35
	JUNE .	12 21 20	12 16 19
	JULY .	12 10 4	11 23 53
	AUG. .	10 22 48	10 9 24
	SEPT. .	9 11 32	8 21 41
	OCT. .	9 0 16	8 13 5
	○ NOV. .	23 18 38	23 21 32
		7 13 0	7 7 7
	DEC. .	7 1 44	7 2 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 257.		d. h. m.	d. h. m.
B.A. March. d. h. m. 24 21 20	JAN. .	5 14 29	5 21 54
	FEB. .	4 8 13	4 15 20
	MAR. .	4 15 57	5 5 55
	APRIL	3 4 41	3 17 26
	○	17 23 3	17 16 54
	MAY .	2 17 25	3 2 21
	JUNE .	1 6 9	1 9 38
		30 18 53	30 16 21
	JULY .	30 7 37	29 23 41
	AUG. .	28 20 21	28 8 32
	SEPT. .	27 9 5	26 19 46
	○ OCT. .	12 3 27	12 10 3
		26 21 49	26 9 50
	NOV. .	25 10 33	25 2 34
	DEC. .	24 23 17	24 21 7
256. G. 25 3 9	JAN. .	23 12 1	23 16 7
	FEB. .	22 0 45	22 10 4
	MAR. .	23 13 29	24 1 45
	APRIL	22 2 13	22 14 36
	MAY .	21 14 57	22 0 49
	JUNE .	20 3 41	20 9 9
	JULY .	19 16 25	19 16 40
	AUG. .	18 5 9	18 0 24
	SEPT. .	16 17 53	16 9 16
	OCT. .	16 6 37	15 19 53
	NOV. .	14 19 21	14 8 39
	DEC. .	14 8 5	13 23 33
255. F. 25 8 58	JAN. .	12 20 50	12 16 14
	FEB. .	11 9 34	11 9 51
	○ MAR. .	26 3 56	26 9 24
		12 22 18	13 3 18
	APRIL	11 11 2	11 19 31
	MAY .	10 23 46	11 9 44
	JUNE .	9 12 30	9 21 42
	JULY .	9 1 14	9 7 48
	AUG. .	7 13 58	7 16 49
	○ SEPT. .	22 8 20	21 22 29
		6 2 42	6 1 29
	OCT. .	5 15 26	5 11 4
	NOV. .	4 4 10	3 21 32
	DEC. .	3 16 54	3 9 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 254. E.	JAN.	2 5 39	1 22 19
		31 18 23	31 12 36
	FEB.	...	...
March. *d. h. m.* 25 14 47	○	15 12 45	16 0 51
	MAR.	2 7 7	2 8 57
		31 19 51	31 19 56
	APRIL	30 8 35	30 11 53
	MAY	29 21 19	30 8 2
	JUNE	28 10 8	23 16 50
	JULY	27 22 47	28 5 11
	○	11 17 9	11 8 28
	AUG.	26 11 31	26 16 20
	SEPT.	25 0 15	25 2 53
	OCT.	24 12 59	24 13 22
	NOV.	23 1 43	23 0 4
	DEC.	22 14 27	22 11 4
253. D.C. 24 20 36	JAN.	21 8 11	20 22 27
	FEB.	19 15 55	19 10 22
	MAR.	20 4 39	19 23 8
	APRIL	18 17 23	18 12 57
	MAY	18 6 7	18 3 45
	JUNE	16 18 51	16 19 7
	JULY	16 7 35	16 10 25
	○	31 1 57	30 15 37
	AUG.	14 20 19	15 1 5
	SEPT.	13 9 3	13 14 48
	OCT.	12 21 47	13 3 33
	NOV.	11 10 31	11 15 30
	DEC.	10 23 15	11 2 47
252. B. 25 2 25	JAN.	9 12 0	9 18 26
	FEB.	8 0 44	7 23 32
	MAR.	9 13 28	9 9 25
	APRIL	8 2 12	7 19 45
	MAY	7 14 56	7 7 10
	JUNE	6 3 40	5 20 15
	○	20 22 2	21 1 7
	JULY	5 16 24	5 11 2
	AUG.	4 5 8	4 3 5
	SEPT.	2 17 52	2 19 39
	OCT.	2 6 36	2 11 54
		31 19 20	
	NOV.	30 8 4	1 3 7
			30 16 54
	○	15 2 26	14 19 10
	DEC.	29 20 48	30 5 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 251. A. March. *d. h. m.* 25 8 13	JAN.	28 9 33	28 15 40
	FEB.	26 22 17	27 0 56
	MAR.	28 11 1	28 9 21
	APRIL	26 23 45	26 17 44
	MAY	26 12 29	26 3 5
	○	10 6 51	10 15 41
	JUNE	25 1 13	24 14 14
	JULY	24 13 57	24 3 49
	AUG.	23 2 41	22 19 46
	SEPT.	21 15 25	21 13 25
	OCT.	21 4 9	21 7 33
	NOV.	19 16 53	20 1 7
	○	4 11 15	4 2 16
	DEC.	19 5 37	19 16 50
250. G. 25 14 2	JAN.	17 18 21	18 6 12
	FEB.	16 7 5	16 17 10
	MAR.	17 19 49	18 2 5
	APRIL	16 8 33	16 9 40
	MAY	15 21 17	15 16 50
	○	30 15 39	30 23 38
	JUNE	14 10 1	14 0 33
	JULY	13 22 45	13 10 10
	AUG.	12 11 29	11 22 19
	SEPT.	11 0 13	10 13 26
	OCT.	10 12 57	10 7 10
	NOV.	9 1 41	9 2 21
	○	23 20 3	23 15 43
	DEC.	8 14 25	8 21 25
249. F.E. 24 19 51	JAN.	7 3 10	7 14 51
	FEB.	5 15 54	6 5 36
	MAR.	6 4 38	6 17 23
	APRIL	4 17 22	5 2 34
	MAY	4 6 6	4 9 58
	JUNE	2 18 50	2 16 38
	JULY	2 7 34	1 23 39
		31 20 18	31 8 8
	AUG.	30 9 2	29 19 1
	SEPT.	28 21 46	28 8 55
	OCT.	28 10 30	28 1 48
	NOV.	26 23 14	26 20 47
	DEC.	26 11 58	26 16 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 248. D. March. d. h. m. 25 1 40		d. h. m.	d. h. m.
	JAN. .	25 0 48	25 10 50
	FEB. .	23 13 27	24 2 50
	MAR. .	25 2 11	25 15 47
	○	8 20 33	8 14 5
	APRIL	23 14 55	24 1 51
	MAY .	23 3 39	23 9 49
	JUNE .	21 16 23	21 16 44
	JULY .	21 5 7	20 23 44
	AUG. .	19 17 51	19 7 49
	SEPT. .	18 6 35	17 17 54
	○	8 0 57	8 7 10
	OCT. .	17 19 19	17 6 36
	NOV. .	16 8 3	15 22 2
	DEC. .	15 20 47	15 15 48
247. C. 25 7 29	JAN. .	14 9 31	14 10 32
	FEB. .	12 22 15	13 5 2
	MAR. .	14 10 59	14 21 50
	○	29 5 21	29 1 29
	APRIL	12 23 43	13 12 4
	MAY .	12 12 27	12 23 33
	JUNE .	11 1 11	11 8 47
	JULY .	10 13 55	10 16 42
	AUG. .	9 2 39	9 0 23
	SEPT. .	7 15 23	7 8 47
	○	22 9 45	22 10 51
	OCT. .	7 4 7	6 18 35
	NOV. .	5 16 51	5 6 18
	DEC. .	5 5 35	4 20 6
246. B. 25 13 18	JAN. .	3 18 20	3 11 49
	FEB. .	2 7 4	2 4 49
	MAR. .	3 19 48	3 22 14
	○	18 14 10	18 17 36
	APRIL	2 8 32	2 15 4
	MAY .	1 21 16	2 6 17
		31 10 0	31 19 24
	JUNE .	29 22 44	30 6 31
	JULY .	29 11 28	29 16 10
	AUG. .	28 0 12	28 1 14
	○	11 18 34	11 10 34
	SEPT. .	26 12 56	26 10 29
	OCT. .	26 1 40	25 20 33
	NOV. .	24 14 24	24 7 40
	DEC. .	24 3 8	23 19 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 245. A.G. March. d. h. m. 24 19 6		d. h. m.	d. h. m.
	JAN. .	22 15 53	22 9 25
	○	6 10 15	6 23 18
	FEB. .	21 4 37	20 23 58
	MAR. .	21 17 21	21 15 25
	APRIL	20 6 5	20 7 17
	MAY .	19 18 49	19 22 50
	JUNE .	18 7 33	18 13 26
	JULY .	17 20 17	18 2 43
	AUG. .	16 9 1	16 14 50
	SEPT. .	14 21 45	15 1 44
	OCT. .	14 10 29	14 12 26
	NOV. .	12 23 13	12 23 9
	DEC. .	12 11 57	12 10 0
244. F. 25 0 55	JAN. .	11 0 41	10 21 4
	○	25 19 3	26 7 11
	FEB. .	9 13 25	9 8 26
	MAR. .	11 2 9	10 20 25
	APRIL	9 14 53	9 9 25
	MAY .	9 3 37	8 23 33
	JUNE .	7 16 21	7 14 37
	JULY .	7 5 5	7 6 7
	○	21 23 27	21 15 23
	AUG. .	5 17 49	5 21 22
	SEPT. .	4 6 33	4 11 52
	OCT. .	3 19 17	4 1 24
	NOV. .	2 8 1	2 13 59
	DEC. .	1 20 45	2 1 42
		31 9 29	31 12 37
243. E. 25 6 44	○	15 3 52	15 8 12
	JAN. .	29 22 14	29 22 49
	FEB. .	28 10 58	28 8 32
	MAR. .	29 23 42	29 18 16
	APRIL	28 12 26	28 4 49
	MAY .	28 1 10	27 16 51
	JUNE .	26 13 54	26 6 43
	○	11 8 16	11 8 26
	JULY .	26 2 38	25 22 17
	AUG. .	24 15 22	24 14 54
	SEPT. .	23 4 6	23 7 42
	OCT. .	22 16 50	22 23 47
	NOV. .	21 5 34	21 14 31
	DEC. .	20 18 18	21 3 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 242. D. March. d. h. m. 25 12 33	JAN. .	19 7 2	19 14 53
	FEB. .	17 19 46	18 0 37
	MAR. .	19 8 30	19 9 9
	APRIL	17 21 14	17 17 15
	MAY .	17 9 58	17 1 49
	JUNE .	15 22 42	15 11 50
	JULY .	15 11 26	15 0 8
	AUG. .	14 0 10	13 15 0
	SEPT. .	12 12 54	12 8 5
	OCT. .	12 1 38	12 2 22
	NOV. .	10 14 22	10 20 36
	DEC. .	10 3 6	10 13 27
241. C.B. 24 18 22	JAN. .	8 15 51	9 4 4
	FEB. .	7 4 35	7 16 9
	MAR. .	7 17 19	8 1 53
	APRIL	6 6 3	6 9 52
	MAY .	5 18 47	5 16 59
	○	20 13 9	20 20 0
	JUNE .	4 7 31	4 0 14
	JULY .	3 20 15	3 8 45
	AUG. .	2 8 59	1 19 30
		31 21 43	31 9 13
	SEPT. .	30 10 27	30 1 50
	OCT. .	29 23 11	29 20 35
	○	13 17 33	13 14 43
	NOV. .	28 11 55	28 16 1
	DEC. .	28 0 39	28 10 28
240. A. 25 0 11	JAN. .	26 13 24	27 2 39
	FEB. .	25 2 8	25 15 50
	MAR. .	26 14 52	27 2 8
	APRIL	25 3 36	25 10 13
	○	9 21 58	9 20 48
	MAY .	24 16 20	24 17 3
	JUNE .	23 5 4	22 23 46
	JULY .	22 17 48	22 7 26
	AUG. .	21 6 32	20 17 4
	SEPT. .	19 19 16	19 5 31
	OCT. .	19 8 0	18 21 1
	○	3 2 22	3 6 20
	NOV. .	17 20 44	17 15 7
	DEC. .	17 9 28	17 10 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 239. G. March. d. h. m. 25 5 59	JAN. .	15 22 12	16 5 43
	FEB. .	14 10 56	14 22 59
	MAR. .	15 23 40	16 13 25
	APRIL	14 12 24	15 0 50
	○	29 6 46	28 23 47
	MAY .	14 1 8	14 9 42
	JUNE .	12 13 52	12 17 2
	JULY .	12 2 36	11 23 56
	AUG. .	10 15 20	10 7 29
	SEPT. .	9 4 4	8 16 36
	OCT. .	8 16 48	8 4 2
	○	23 11 10	23 18 23
	NOV. .	7 5 32	6 18 8
	DEC. .	6 18 16	6 10 43
238. F. 25 11 48	JAN. .	5 7 1	5 5 1
	FEB. .	3 19 45	3 23 41
	MAR. .	5 8 29	5 17 19
	APRIL	3 21 13	4 8 50
	MAY .	3 9 57	3 21 40
	JUNE .	1 22 41	2 7 58
	JULY .	1 11 25	1 16 32
		31 0 9	31 0 23
	AUG. .	29 12 53	29 8 30
	SEPT. .	28 1 37	27 17 41
	OCT. .	27 14 21	27 4 31
	NOV. .	26 3 5	25 17 16
	DEC. .	25 15 49	25 7 56
237. E.D. 24 17 37	JAN. .	24 4 34	24 0 8
	FEB. .	22 17 18	22 17 13
	○	8 11 40	8 17 32
	MAR. .	23 6 2	23 10 15
	APRIL	21 18 46	22 2 15
	MAY .	21 7 30	21 16 28
	JUNE .	19 20 14	20 4 39
	JULY .	19 8 58	19 15 9
	AUG. .	17 21 42	18 0 39
	○	1 16 4	1 5 44
	SEPT. .	16 10 26	16 9 57
	OCT. .	15 23 10	15 19 45
	NOV. .	14 11 54	14 6 25
	DEC. .	14 0 38	13 18 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.O. 236. C. March. d. h. m. 24 23 26	JAN.	12 13 22	12 6 45
	FEB.	11 2 6	10 20 29
	○	25 20 28	26 8 56
	MAR.	12 14 50	12 11 14
	APRIL	11 8 34	11 2 43
	MAY	10 16 18	10 18 22
	JUNE	9 5 2	9 9 32
	JULY	8 17 46	8 23 39
	AUG.	7 6 30	7 12 30
	○	22 2 52	21 12 53
	SEPT.	5 19 14	6 0 14
	OCT.	5 7 58	5 11 20
	NOV.	3 20 42	3 22 12
	DEC.	3 9 26	3 9 2
235. B. 25 5 15	JAN.	1 22 11	1 19 55
		31 10 55	31 6 54
	FEB.	...	...
	MAR.	1 23 39	1 18 15
		31 12 23	31 6 24
	APRIL	30 1 7	29 19 43
	MAY	29 13 51	29 10 13
	JUNE	28 2 35	28 1 36
	JULY	27 15 19	27 17 13
	○	11 9 41	10 23 22
	AUG.	26 4 3	26 8 25
	SEPT.	24 16 47	24 22 45
	OCT.	24 5 31	24 12 4
	NOV.	22 18 15	23 0 22
	DEC.	22 6 59	22 11 43
234. A. 25 11 4	JAN.	20 19 44	20 22 10
	FEB.	19 8 28	19 7 51
	MAR.	20 21 12	20 17 14
	APRIL	19 9 56	19 3 8
	MAY	18 22 40	18 14 8
	JUNE	17 11 24	17 2 53
	○	2 5 46	2 8 36
	JULY	17 0 8	16 17 40
	AUG.	15 12 52	15 10 0
	SEPT.	14 1 36	14 3 4
	OCT.	13 14 20	13 19 52
	NOV.	12 3 4	12 11 33
	DEC.	11 15 48	12 1 38
	○	26 10 10	26 3 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 233. G.F. March. d. h. m. 24 16 52	JAN.	10 4 32	10 13 48
	FEB.	8 17 16	9 0 10
	MAR.	9 6 0	9 9 2
	APRIL	7 18 44	7 17 3
	MAY	7 7 28	7 1 5
	JUNE	5 20 12	5 10 6
	○	20 14 34	20 22 47
	JULY	5 8 56	4 21 8
	AUG.	3 21 40	3 10 45
	SEPT.	2 10 24	2 2 55
	OCT.	1 23 8	1 20 56
		31 11 52	31 15 34
	NOV.	30 0 36	30 9 24
	○	14 18 58	14 10 57
	DEC.	29 13 20	30 1 17
232. E. 24 22 41	JAN.	28 2 5	28 14 37
	FEB.	26 14 49	27 1 31
	MAR.	28 3 33	28 9 59
	APRIL	26 16 17	26 17 17
	MAY	26 5 1	26 0 13
	○	9 23 23	10 6 17
	JUNE	24 17 45	24 7 55
	JULY	24 6 29	23 17 27
	AUG.	22 19 13	22 5 41
	SEPT.	21 7 57	20 20 59
	OCT.	20 20 41	20 14 55
	NOV.	19 9 25	19 10 17
	○	4 3 47	4 0 40
	DEC.	18 22 9	19 5 30
231. D. 25 4 30	JAN.	17 10 53	17 22 55
	FEB.	15 23 37	16 13 54
	MAR.	17 12 21	18 1 10
	APRIL	16 1 5	16 10 10
	MAY	15 13 49	15 17 26
	JUNE	14 2 33	14 0 5
	JULY	13 15 17	13 7 9
	AUG.	12 4 1	11 15 46
	SEPT.	10 16 45	10 2 50
	OCT.	10 5 29	9 16 54
	NOV.	8 18 13	8 9 49
	DEC.	8 6 57	8 4 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 230.		d. h. m.	d. h. m.
C. March. d. h. m. 25 10 19	JAN.	6 19 42	7 0 12
	FEB.	5 8 26	5 18 30
	MAR.	6 21 10	7 10 20
	APRIL	5 9 54	5 23 10
	○	20 4 16	19 21 12
	MAY	4 22 38	5 9 11
	JUNE	3 11 22	3 17 11
	JULY	3 0 6	3 0 14
	AUG.	1 12 50	1 7 27
		31 1 34	30 15 49
	SEPT.	29 14 18	29 2 9
	○	14 8 40	14 15 16
	OCT.	29 3 2	28 14 58
	NOV.	27 15 46	27 6 20
	DEC.	27 4 30	26 23 45
229. B.A. 24 16 8	JAN.	25 17 15	25 18 13
	FEB.	24 5 59	24 12 22
	MAR.	24 18 43	25 4 55
	○	8 13 5	8 9 8
	APRIL	23 7 27	23 19 3
	MAY	22 20 11	23 6 36
	JUNE	21 8 55	21 16 3
	JULY	20 21 39	21 0 17
	AUG.	19 10 23	19 8 20
	SEPT.	17 23 7	17 17 6
	○	2 17 29	2 18 26
	OCT.	17 11 51	17 3 13
	NOV.	16 0 35	15 15 1
	DEC.	15 13 19	15 4 39
228. G. 24 21 57	JAN.	14 2 3	13 19 55
	FEB.	12 14 47	12 12 23
	MAR.	14 3 31	14 5 19
	○	28 21 53	29 1 29
	APRIL	12 16 15	12 21 47
	MAY	12 4 59	12 12 54
	JUNE	10 17 43	11 2 11
	JULY	10 6 27	10 13 39
	AUG.	8 19 11	8 23 47
	SEPT.	7 7 55	7 9 20
	○	22 2 17	21 17 58
	OCT.	6 20 39	6 19 4
	NOV.	5 9 23	5 5 24
	DEC.	4 22 7	4 16 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 227.		d. h. m.	d. h. m.
F. March. d. h. m. 25 3 45	JAN.	3 10 52	3 4 36
	FEB.	1 23 36	1 17 33
	MAR.	3 12 20	3 7 30
	APRIL	2 1 4	1 22 22
	MAY	1 13 48	1 13 50
		31 2 32	31 5 17
	JUNE	29 15 16	29 20 5
	JULY	29 4 0	29 9 47
	AUG.	27 16 44	27 22 20
	SEPT.	26 5 28	26 9 59
	OCT.	25 18 12	25 21 9
	NOV.	24 6 56	24 8 6
	DEC.	23 19 40	23 18 55
226. E. 25 9 34	JAN.	22 8 25	22 5 40
	○	6 2 47	6 15 1
	FEB.	20 21 9	20 16 33
	MAR.	22 9 53	22 3 56
	APRIL	20 22 37	20 16 22
	MAY	20 11 21	20 6 7
	JUNE	19 0 5	18 21 4
	JULY	18 12 49	18 12 45
	○	2 7 11	1 23 5
	AUG.	17 1 33	17 4 28
	SEPT.	15 14 17	15 19 31
	OCT.	15 3 1	15 9 42
	NOV.	13 15 45	13 22 43
	DEC.	13 4 29	13 10 38
225. D.C. 24 15 23	JAN.	11 17 13	11 21 27
	○	26 11 35	26 15 52
	FEB.	10 5 57	10 7 17
	MAR.	10 18 41	10 16 31
	APRIL	9 7 25	9 1 46
	MAY	8 20 9	8 11 51
	JUNE	7 8 53	6 23 34
	JULY	6 21 37	6 13 20
	○	21 15 59	21 16 3
	AUG.	5 10 21	5 5 6
	SEPT.	3 23 5	3 22 5
	OCT.	3 11 49	3 15 24
	NOV.	2 0 33	2 8 0
	DEC.	1 13 17	1 23 7
		31 2 1	31 12 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 224.		d. h. m.	d. h. m.	B.C. 221.		d. h. m.	d. h. m.
B. March. d. h. m. 24 21 12	JAN. .	29 14 45	29 23 26	F.E. March. d. h. m. 24 14 38	JAN. .	27 5 56	27 18 25
	FEB. .	28 8 30	28 8 52		FEB. .	25 18 40	26 6 31
	MAR. .	29 16 14	29 17 2		MAR. .	26 7 24	26 20 48
	APRIL	28 4 58	28 1 12		APRIL	24 20 8	25 8 7
	MAY .	27 17 42	27 8 59		○	9 14 30	9 6 39
	JUNE .	26 6 26	25 18 50		MAY .	24 8 52	24 17 1
	JULY .	25 19 10	25 7 6		JUNE .	22 21 36	23 0 29
	AUG. .	24 7 54	23 22 7		JULY .	22 10 20	22 7 35
	SEPT. .	22 20 38	22 15 29		AUG. .	20 23 4	20 15 26
	OCT. .	22 9 22	22 10 10		SEPT. .	19 11 48	19 0 51
	NOV. .	20 22 6	21 4 44		OCT. .	19 0 32	18 12 27
	DEC. .	20 10 50	20 21 48		○	2 18 54	3 2 49
					NOV. .	17 13 16	17 2 33
223. A. 25 8 1	JAN. .	18 23 34	19 12 28		DEC. .	17 2 0	16 18 56
	FEB. .	17 12 19	18 0 23				
	MAR. .	19 1 8	19 9 52	220. D. 24 20 47	JAN. .	15 14 45	15 12 51
	APRIL	17 13 47	17 17 35		FEB. .	14 8 29	14 7 7
	MAY .	17 2 31	17 0 28		MAR. .	15 16 13	16 0 27
	○	31 20 53	1 2 32		APRIL	14 4 57	14 15 47
	JUNE .	15 15 15	15 7 35		MAY .	13 17 41	14 4 35
	JULY .	15 8 59	14 16 4		JUNE .	12 6 25	12 15 6
	AUG. .	13 16 43	13 2 54		JULY .	11 19 9	11 23 58
	SEPT. .	12 5 27	11 16 45		AUG. .	10 7 53	10 8 12
	OCT. .	11 18 11	11 9 33		SEPT. .	8 20 37	8 16 43
	NOV. .	10 6 55	10 4 28		OCT. .	8 9 21	8 2 16
	○	25 1 17	24 23 41		NOV. .	6 22 5	6 13 16
	DEC. .	9 19 39	10 0 1		DEC. .	6 10 49	6 1 56
222. G. 25 8 50	JAN. .	8 8 23	8 18 31	219. C. 25 2 16	JAN. .	4 23 33	4 16 15
	FEB. .	6 21 7	7 10 36		FEB. .	3 12 17	3 7 55
	MAR. .	8 9 51	8 23 38		MAR. .	5 1 1	5 0 28
	APRIL	6 22 35	7 9 45		○	19 19 23	20 1 32
	MAY .	6 11 19	6 17 42		APRIL	3 13 45	3 17 4
	○	21 5 41	21 3 17		MAY .	3 2 29	3 8 51
	JUNE .	5 0 3	5 0 30		JUNE .	1 15 13	1 23 8
	JULY .	4 12 47	4 7 15		JULY .	1 3 57	1 11 37
	AUG. .	3 1 31	2 15 3			30 16 41	30 22 34
	SEPT. .	1 14 15	1 0 53		AUG. .	29 5 25	29 8 34
	OCT. .	1 2 59	30 13 30		○	12 23 47	12 13 7
		30 15 43	30 5 5		SEPT. .	27 18 9	27 18 23
	○	14 10 5	14 15 9		OCT. .	27 6 53	27 4 33
	NOV. .	29 4 27	28 23 8		NOV. .	25 19 37	25 15 20
	DEC. .	28 17 11	28 18 27		DEC. .	25 8 21	25 2 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 218.	JAN. .	28 21 6	28 15 8
B. March.	FEB. .	22 9 50	22 4 17
d. h. m.	○	9 4 12	9 16 58
25 8 5	MAR. .	28 22 34	28 18 24
	APRIL	22 11 18	22 9 24
	MAY .	22 0 2	22 0 49
	JUNE .	20 12 46	20 16 8
	JULY .	20 1 30	20 6 32
	AUG. .	18 14 14	18 19 55
	○	2 8 36	1 18 34
	SEPT. .	17 2 58	17 8 17
	OCT. .	16 15 42	16 19 54
	NOV. .	15 4 26	15 7 7
	DEC. .	14 17 10	14 18 2
217. A.G.	JAN. .	13 5 54	13 4 40
	FEB. .	11 18 38	11 15 12
24 13 54	MAR. .	12 7 22	12 2 0
	APRIL	10 20 6	10 13 38
	MAY .	10 8 50	10 2 24
	JUNE .	8 21 34	8 16 41
	JULY .	8 10 18	8 8 9
	AUG. .	6 23 2	7 0 6
	○	21 17 24	21 7 16
	SEPT. .	5 11 46	5 15 50
	OCT. .	5 0 30	5 6 47
	NOV. .	3 13 14	3 20 38
	DEC. .	3 1 58	3 9 14
216. F.	JAN. .	1 14 43	1 20 35
		31 3 27	31 6 45
	FEB. .	...	...
24 19 43	MAR. .	1 16 11	1 16 2
		31 4 55	31 0 56
	APRIL	29 17 39	29 10 16
	MAY .	29 6 23	28 20 54
	JUNE .	27 19 7	27 9 33
	○	12 13 29	12 16 5
	JULY .	27 7 51	27 0 24
	AUG. .	25 20 35	25 17 2
	SEPT. .	24 9 19	24 10 33
	OCT. .	23 22 3	24 3 53
	NOV. .	22 10 47	22 20 1
	DEC. .	21 23 31	22 10 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 215.	○	5 17 54	5 11 33
E. March.	JAN. .	20 12 16	20 22 25
d. h. m.	FEB. .	19 1 0	19 8 32
25 1 31	MAR. .	20 13 44	20 17 3
	APRIL	19 2 28	19 0 41
	MAY .	18 15 12	18 8 24
	JUNE .	17 3 56	16 17 12
	○	1 22 18	2 5 56
	JULY .	16 16 40	16 4 10
	AUG. .	15 5 24	14 17 50
	SEPT. .	13 18 8	13 10 15
	OCT. .	13 6 52	13 4 35
	NOV. .	11 19 36	11 23 34
	DEC. .	11 8 20	11 17 39
	○	26 2 42	25 19 36
214. D.	JAN. .	9 21 4	10 9 38
	FEB. .	8 9 48	8 22 52
25 7 20	MAR. .	9 22 32	10 9 23
	APRIL	8 11 16	8 17 44
	MAY .	8 0 0	8 0 48
	JUNE .	6 12 44	6 7 36
	○	21 7 6	21 12 57
	JULY .	6 1 28	5 15 15
	AUG. .	4 14 12	4 0 50
	SEPT. .	3 2 56	2 13 12
	OCT. .	2 15 40	2 4 40
	NOV. .	1 4 24	31 22 45
		30 17 8	30 18 15
	○	15 11 30	15 9 37
	DEC. .	30 5 52	30 13 30
213. C.B.	JAN. .	28 18 37	29 6 53
	FEB. .	27 7 21	27 21 23
24 13 9	MAR. .	27 20 5	28 8 49
	APRIL	26 8 49	26 17 41
	MAY .	25 21 33	26 0 55
	JUNE .	24 10 17	24 7 33
	JULY .	23 23 1	23 14 47
	AUG. .	22 11 45	21 23 35
	SEPT. .	21 0 29	20 10 50
	OCT. .	20 13 13	20 1 0
	NOV. .	19 1 57	18 17 56
	DEC. .	18 14 41	18 12 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 212.			
A. March. d. h. m. 24 18 57	JAN.	17 8 26	17 7 59
	FEB.	15 16 10	16 2 1
	MAR.	17 4 54	17 17 41
	APRIL	15 17 38	16 6 25
	○	30 12 0	30 4 16
	MAY	15 6 22	15 16 26
	JUNE	13 19 6	14 0 32
	JULY	13 7 50	13 7 48
	AUG.	11 20 34	11 15 20
	SEPT.	10 9 18	10 0 0
	OCT.	9 22 2	9 10 34
	○	24 16 24	24 23 29
	NOV.	8 10 46	7 23 28
	DEC.	7 23 30	7 14 41
211. G. 25 0 46	JAN.	6 12 14	6 7 46
	FEB.	5 0 58	5 1 47
	MAR.	6 13 42	6 19 31
	APRIL	5 2 26	5 11 50
	○	19 20 48	19 16 39
	MAY	4 15 10	5 1 55
	JUNE	3 8 54	3 13 35
	JULY	2 16 38	2 23 19
	AUG.	1 5 22	1 7 56
		30 18 6	30 16 25
	SEPT.	29 6 50	29 1 34
	○	14 1 12	14 2 8
	OCT.	28 19 34	28 11 57
	NOV.	27 8 18	26 23 47
	DEC.	26 21 2	26 13 9
210. F. 25 6 35	JAN.	25 9 47	25 3 57
	FEB.	23 22 31	23 19 51
	MAR.	25 11 15	25 12 16
	○	9 5 37	9 9 17
	APRIL	23 23 59	24 4 25
	MAY	23 12 43	23 19 29
	JUNE	22 1 27	22 9 0
	JULY	21 14 11	21 20 52
	AUG.	20 2 55	20 7 31
	SEPT.	18 15 39	18 17 33
	○	8 10 1	8 1 34
	OCT.	18 4 23	18 3 46
	NOV.	16 17 7	16 14 20
	DEC.	16 5 51	16 1 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 209.			
E.D. March. d. h. m. 24 12 24	JAN.	14 18 35	14 13 9
	FEB.	13 7 20	13 1 35
	MAR.	13 20 4	13 14 55
	APRIL	12 8 48	12 5 13
	MAY	11 21 32	11 20 20
	JUNE	10 10 16	10 11 45
	JULY	9 23 0	10 2 48
	AUG.	8 11 44	8 16 58
	SEPT.	7 0 23	7 6 7
	OCT.	6 13 12	6 18 22
	NOV.	5 1 56	5 5 58
	DEC.	4 14 40	4 17 4
203. C. 24 18 13	JAN.	3 8 24	3 3 47
	FEB.	1 16 8	1 14 11
	○	16 10 30	16 22 39
	MAR.	3 4 52	3 0 32
	APRIL	1 17 36	1 11 20
	MAY	1 6 20	30 23 16
		30 19 4	30 12 41
	JUNE	29 7 48	29 3 34
	JULY	28 20 32	28 19 29
	○	12 14 54	12 6 55
	AUG.	27 9 16	27 11 39
	SEPT.	25 22 0	26 3 21
	OCT.	25 10 44	25 18 3
	NOV.	23 23 28	24 7 28
	DEC.	23 12 12	23 19 29
207. B. 25 0 2	JAN.	22 0 57	22 6 9
	○	5 19 19	5 23 24
	FEB.	20 13 41	20 15 39
	MAR.	22 2 25	22 0 26
	APRIL	20 15 9	20 9 12
	MAY	20 3 53	19 18 53
	JUNE	18 16 37	18 6 21
	JULY	18 5 21	17 20 5
	○	1 23 43	1 23 47
	AUG.	16 18 5	16 12 0
	SEPT.	15 6 49	15 5 25
	OCT.	14 19 33	14 23 13
	NOV.	13 8 17	13 16 18
	DEC.	12 21 1	13 7 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 206.		d. h. m.	d. h. m.
A. March. d. h. m. 25 5 50	JAN.	11 9 46	11 20 56
	FEB.	9 22 30	10 7 55
	MAR.	11 11 14	11 16 59
	APRIL	9 23 58	10 0 47
	MAY	9 12 42	9 8 11
	JUNE	8 1 26	7 16 11
	JULY	7 14 10	7 1 54
	AUG.	6 2 54	5 14 12
	SEPT.	4 15 38	4 5 22
	OCT.	4 4 22	3 23 1
	NOV.	2 17 6	2 18 2
	DEC.	2 5 50	2 12 53
		31 18 34	...
205. G.F. 24 11 39	JAN.	...	1 6 6
		30 7 18	30 20 43
	FEB.	28 20 2	29 8 27
	MAR.	29 8 46	29 17 40
	APRIL	27 21 30	28 1 10
	MAY	27 10 14	27 7 53
	○	11 4 36	11 9 4
	JUNE	25 22 58	25 14 57
	JULY	25 11 42	24 23 29
	AUG.	24 0 26	23 10 26
	SEPT.	22 13 10	22 0 25
	OCT.	22 1 54	21 17 22
	NOV.	20 14 38	20 12 26
	○	5 9 0	5 8 39
	DEC.	20 3 22	20 8 0
204. E. 24 17 28	JAN.	18 16 7	19 2 28
	FEB.	17 4 51	17 18 25
	MAR.	18 17 35	19 7 17
	APRIL	17 6 19	17 17 17
	MAY	16 19 3	17 1 9
	○	31 13 25	31 9 46
	JUNE	15 7 47	15 7 57
	JULY	14 20 31	14 14 50
	AUG.	13 9 15	12 22 49
	SEPT.	11 21 59	11 8 53
	OCT.	11 10 43	10 21 38
	NOV.	9 23 27	9 13 15
	○	24 17 49	25 0 1
	DEC.	9 12 11	9 7 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 203.		d. h. m.	d. h. m.
D. March. d. h. m. 24 23 17	JAN.	8 0 55	8 2 18
	FEB.	6 13 39	6 20 59
	MAR.	8 2 23	8 13 51
	APRIL	6 15 7	7 3 59
	MAY	6 3 51	6 15 17
	○	20 22 13	20 13 30
	JUNE	4 16 35	5 0 16
	JULY	4 5 19	4 7 56
	AUG.	2 18 3	2 15 22
	SEPT.	1 6 47	31 23 31
		30 19 31	30 9 13
	OCT.	30 8 15	29 20 59
	○	14 2 37	14 11 16
	NOV.	28 20 59	28 11 1
	DEC.	28 9 43	28 3 6
202. C. 25 5 6	JAN.	26 22 28	26 20 36
	FEB.	25 11 12	25 14 24
	MAR.	26 23 56	27 7 23
	APRIL	25 12 40	25 22 34
	MAY	25 1 24	25 11 28
	JUNE	23 14 8	23 22 13
	JULY	23 2 52	23 7 28
	AUG.	21 15 36	21 16 8
	SEPT.	20 4 20	20 1 4
	OCT.	19 17 4	19 10 57
	NOV.	18 5 48	17 22 4
	DEC.	17 18 32	17 10 36
201. B.A. 24 10 55	JAN.	16 7 17	16 0 31
	FEB.	14 20 1	14 15 39
	MAR.	15 8 45	15 7 35
	○	30 3 7	30 9 24
	APRIL	13 21 29	13 23 46
	MAY	13 10 13	13 15 23
	JUNE	11 22 57	12 5 48
	JULY	11 11 41	11 13 33
	AUG.	10 0 25	10 6 5
	SEPT.	8 13 9	8 16 39
	○	23 7 31	22 20 40
	OCT.	8 1 53	8 2 58
	NOV.	6 14 37	6 13 25
	DEC.	6 3 21	6 0 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 200. G. March. d. h. m. 24 16 48		d. h. m.	d. h. m.
	JAN. .	4 16 5	4 11 35
	FEB. .	3 4 49	2 23 23
	MAR. .	4 17 33	4 11 56
	○	19 11 55	20 0 39
	APRIL	3 6 17	3 1 27
	MAY .	2 19 1	2 16 0
	JUNE .	1 7 45	1 7 15
		30 20 29	30 22 37
	JULY .	30 9 13	30 13 28
	AUG. .	28 21 57	29 3 26
	○	12 16 19	12 2 25
	SEPT. .	27 10 41	27 16 24
	OCT. .	26 23 25	27 4 33
	NOV. .	25 12 9	25 16 1
	DEC. .	25 0 53	25 2 56
199. F. 24 22 32	JAN. .	23 13 38	23 13 21
	FEB. .	22 2 22	21 23 25
	MAR. .	23 15 6	23 9 39
	APRIL	22 3 50	21 20 41
	MAY .	21 16 34	21 9 7
	JUNE .	20 5 18	19 23 13
	JULY .	19 18 2	19 14 47
	AUG. .	18 6 46	18 7 7
	○	2 1 8	1 15 19
	SEPT. .	16 19 30	16 23 25
	OCT. .	16 8 14	16 14 57
	NOV. .	14 20 58	15 5 15
	DEC. .	14 9 42	14 13 4
198. E. 25 4 21	JAN. .	12 22 27	13 5 23
	FEB. .	11 11 11	11 15 15
	MAR. .	12 23 55	13 0 5
	APRIL	11 12 39	11 8 32
	MAY .	11 1 23	10 17 27
	JUNE .	9 14 7	9 3 48
	JULY .	9 2 51	8 16 19
	○	23 21 13	23 23 41
	AUG. .	7 15 35	7 7 16
	SEPT. .	6 4 19	6 0 12
	OCT. .	5 17 3	5 18 11
	NOV. .	4 5 47	4 12 0
	DEC. .	3 18 31	4 4 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 197. D.C. March. d. h. m. 24 10 10		d. h. m.	d. h. m.
	JAN. ○	2 7 15	2 18 53
		17 1 37	16 19 37
		31 19 59	... -
	FEB. .	...	1 6 54
	MAR. .	1 8 43	1 16 44
		30 21 27	31 0 54
	APRIL	29 10 11	29 8 13
	MAY .	28 22 55	28 15 40
	JUNE .	27 11 39	27 0 21
	○	12 6 1	12 13 6
	JULY .	27 0 23	26 11 16
	AUG. .	25 13 7	25 1 4
	SEPT. .	24 1 51	23 17 42
	OCT. .	23 14 35	23 12 20
	NOV. .	22 3 19	22 7 36
	DEC. .	21 16 3	22 1 51
196. B. 24 15 59	○	5 10 25	5 2 9
	JAN. .	20 4 48	20 17 52
	FEB. .	18 17 32	19 6 58
	MAR. .	20 6 16	20 17 15
	APRIL	18 19 0	19 1 23
	MAY .	18 7 44	18 8 17
	JUNE .	16 20 28	16 15 1
	○	1 14 50	1 19 36
	JULY .	16 9 12	15 22 41
	AUG. .	14 21 56	14 8 23
	SEPT. .	13 10 40	12 20 54
	OCT. .	12 23 24	12 12 31
	NOV. .	11 12 8	11 6 43
	DEC. .	11 0 52	11 2 14
	○	25 19 14	25 18 32
195. A. 24 21 48	JAN. .	9 13 37	9 21 25
	FEB. .	8 2 21	8 14 42
	MAR. .	9 15 5	10 5 3
	APRIL	8 3 49	8 16 20
	MAY .	7 16 33	8 1 6
	JUNE .	6 5 17	6 8 19
	JULY .	5 18 1	5 15 4
	AUG. .	4 6 45	3 22 30
	SEPT. .	2 19 29	2 7 33
	OCT. .	2 8 13	1 18 59
		31 20 57	31 9 15
	NOV.	30 9 41	30 2 6
	DEC. .	29 22 25	29 20 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 194. G. March. d. h. m. 25 3 36		d. h. m.	d. h. m.
	JAN. .	28 11 9	28 15 37
	FEB. .	26 23 53	27 9 24
	MAR. .	28 12 37	29 0 52
	APRIL	27 1 21	27 18 32
	○	11 19 43	11 11 17
	MAY .	26 14 5	26 23 36
	JUNE .	25 2 49	25 7 54
	JULY .	24 15 33	24 15 26
	AUG. .	23 4 17	22 23 18
	SEPT. .	21 17 1	21 8 19
	OCT. .	21 5 45	20 19 7
	○	5 0 7	5 7 45
	NOV. .	19 18 29	19 8 1
	DEC. .	19 7 13	18 23 1
193. F.E. 24 9 25	JAN. .	17 19 58	17 15 48
	FEB. .	16 8 42	16 9 15
	MAR. .	16 21 26	17 2 34
	APRIL	15 10 10	15 18 39
	○	30 4 32	30 0 7
	MAY .	14 22 54	15 8 43
	JUNE .	13 11 38	13 20 34
	JULY .	13 0 22	13 6 38
	AUG. .	11 13 6	11 15 42
	SEPT. .	10 1 50	10 0 39
	OCT. .	9 14 34	9 10 11
	○	24 8 56	24 9 57
	NOV. .	8 8 18	7 20 47
	DEC. .	7 16 2	7 8 34
192. D. 24 15 14	JAN. .	6 4 46	5 21 36
	FEB. .	4 17 30	4 11 54
	MAR. .	6 6 15	6 3 12
	APRIL	4 18 59	4 19 6
	○	19 13 21	19 16 57
	MAY .	4 7 43	4 10 58
	JUNE .	2 20 27	3 2 3
	JULY .	2 9 11	2 15 49
		31 21 55	1 4 10
	AUG. .	30 10 39	30 15 22
	SEPT. .	28 23 23	29 2 1
	○	13 17 45	13 9 18
	OCT. .	28 12 7	28 12 34
	NOV. .	27 0 51	26 23 19
	DEC. .	26 13 35	26 10 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 191. C. March. d. h. m. 24 21 3		d. h. m.	d. h. m.
	JAN. .	25 2 19	24 21 38
	FEB. .	23 15 3	23 9 30
	MAR. .	25 3 47	21 22 13
	APRIL	23 16 31	23 12 1
	MAY .	23 5 15	23 2 48
	JUNE .	21 17 59	21 18 11
	JULY .	21 6 43	21 9 32
	AUG. .	19 19 27	20 0 14
	SEPT. .	18 8 11	18 14 0
	OCT. .	17 20 55	18 2 48
	NOV. .	16 9 39	16 14 47
	DEC. .	15 22 23	16 2 2
190. B. 25 2 52	JAN. .	14 11 7	14 12 33
	FEB. .	12 23 52	12 22 35
	○	27 18 14	28 6 9
	MAR. .	14 12 36	14 8 24
	APRIL	13 1 20	12 18 40
	MAY .	12 14 4	12 6 7
	JUNE .	11 2 48	10 19 15
	JULY .	10 15 32	10 10 9
	AUG. .	9 4 16	9 2 20
	○	28 22 38	28 14 54
	SEPT. .	7 17 0	7 18 59
	OCT. .	7 5 44	7 11 16
	NOV. .	5 18 28	6 2 30
	DEC. .	5 7 12	5 16 14
189. A.G. 24 8 41	JAN. .	3 19 56	4 4 17
	FEB. .	2 8 40	2 14 44
	○	17 3 2	17 6 48
	MAR. .	2 21 24	2 23 52
	APRIL	1 10 8	1 8 11
		30 22 52	30 16 31
	MAY .	30 11 36	30 1 53
	JUNE .	29 0 20	28 13 10
	JULY .	28 13 4	28 2 55
	○	12 7 26	12 7 38
	AUG. .	27 1 48	26 19 4
	SEPT. .	25 14 32	25 12 52
	OCT. .	25 3 16	25 7 8
	NOV. .	23 16 0	24 0 36
	DEC. .	23 4 44	23 16 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 188. F.		d. h. m.	d. h. m.
	JAN.	21 17 29	22 5 26
March. d. h. m. 24 14 29	○ FEB.	5 11 51	5 7 37
		20 6 13	20 16 12
	MAR.	21 18 57	22 0 57
	APRIL	20 7 41	20 8 25
	MAY	19 20 25	19 15 32
	JUNE	18 9 9	17 23 24
	JULY	17 21 53	17 9 5
	○ AUG.	1 16 15	1 22 2
		16 10 37	15 21 27
	SEPT.	14 23 21	14 12 48
	OCT.	14 12 5	14 6 42
	NOV.	13 0 49	13 1 58
	DEC.	12 13 33	12 20 59
187. E. 24 20 18	JAN.	11 2 18	11 14 17
	FEB.	9 15 2	10 4 49
	MAR.	11 3 46	11 16 23
	APRIL	9 16 30	10 1 23
	MAY	9 5 14	9 8 41
	JUNE	7 17 58	7 15 19
	JULY	7 6 42	6 22 24
	AUG.	5 19 26	5 7 2
	SEPT.	4 8 10	3 18 8
	OCT.	3 20 54	3 8 17
	NOV.	2 9 38	2 1 20
	DEC. ○	1 22 22	1 20 24
		16 16 44	16 17 38
		31 11 6	31 15 56
186. D. 25 2 7	JAN.	29 23 50	30 10 12
	FEB.	28 12 34	...
	MAR.	...	1 2 2
		30 1 18	30 14 46
	APRIL	28 14 2	29 0 40
	MAY	28 2 46	28 8 31
	○ JUNE	11 21 8	11 16 13
		26 15 30	26 15 26
	JULY	26 4 14	25 22 30
	AUG.	24 16 58	24 6 45
	SEPT.	23 5 42	22 17 2
	OCT.	22 18 26	22 5 55
	NOV.	21 7 10	20 21 30
	○ DEC.	6 1 32	6 8 52
		20 19 54	20 15 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 185. C.B.		d. h. m.	d. h. m.
	JAN.	19 8 39	19 9 54
March. d. h. m. 24 7 56	FEB.	17 21 23	18 4 26
	MAR.	18 10 7	18 21 2
	APRIL	16 22 51	17 11 4
	MAY	16 11 35	16 22 23
	○	31 5 57	30 20 21
	JUNE	15 0 19	15 7 32
	JULY	14 13 8	14 15 27
	AUG.	13 1 47	12 23 14
	SEPT.	11 14 31	11 7 46
	OCT.	11 3 15	10 17 45
	NOV.	9 15 59	9 5 38
	○ DEC.	24 10 21	24 19 44
		9 4 43	8 19 32
184. A. 24 13 45	JAN.	7 17 28	7 11 16
	FEB.	6 6 12	6 4 14
	MAR.	7 18 56	7 21 34
	APRIL	6 7 40	6 14 13
	MAY	5 20 24	6 5 18
	JUNE	4 9 8	4 18 19
	JULY	3 21 52	4 5 22
	AUG.	2 10 36	2 15 3
		31 23 20	1 0 11
	SEPT.	30 12 4	30 9 35
	OCT.	30 0 48	29 19 45
	NOV.	28 13 32	28 6 56
	DEC.	28 2 16	27 19 15
183. G. 24 19 34	JAN.	26 15 0	26 8 41
	FEB.	25 3 44	24 23 12
	MAR.	26 16 28	26 14 36
	○ APRIL	10 10 50	10 17 8
		25 5 12	25 6 23
	MAY	24 17 56	24 21 52
	JUNE	23 6 40	23 12 26
	JULY	22 19 24	23 1 41
	AUG.	21 8 8	21 13 41
	SEPT.	19 20 52	20 0 50
	○ OCT.	4 15 14	4 4 22
		19 9 36	19 11 36
	NOV.	17 22 20	17 22 22
	DEC.	17 11 4	17 9 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 182. F. March. d. h. m. 25 1 22	JAN.	15 23 49	15 20 15
	FEB.	14 12 33	14 7 33
	MAR.	16 1 17	15 19 30
	○	30 19 39	31 8 7
	APRIL	14 14 1	14 8 27
	MAY	14 2 45	13 22 35
	JUNE	12 15 29	12 13 42
	JULY	12 4 13	12 5 13
	AUG.	10 16 57	10 20 31
	SEPT.	9 5 41	9 11 5
	○	24 0 8	23 10 26
	OCT.	8 18 25	9 0 39
	NOV.	7 7 9	7 13 16
	DEC.	6 19 53	7 0 58
181. E.D. 24 7 11	JAN.	5 8 38	5 11 49
	FEB.	3 21 22	3 21 54
	MAR.	4 10 6	4 7 30
	○	19 4 28	19 17 15
	APRIL	2 22 50	2 17 12
	MAY	2 11 34	2 3 44
	JUNE	1 0 18	31 15 50
		30 13 2	30 5 48
	JULY	30 1 46	29 21 30
	AUG.	28 14 30	28 14 13
	○	12 8 52	11 23 30
	SEPT.	27 3 14	27 7 5
	OCT.	26 15 58	26 23 10
	NOV.	25 4 42	25 13 53
	DEC.	24 17 26	25 2 51
180. C. 24 13 0	JAN.	23 6 10	23 14 1
	FEB.	21 18 54	21 23 35
	MAR.	23 7 33	23 8 2
	APRIL	21 20 22	21 16 2
	MAY	21 9 6	21 0 35
	JUNE	19 21 50	19 10 43
	JULY	19 10 34	18 23 10
	AUG.	17 23 18	17 14 15
	SEPT.	16 12 2	16 7 29
	OCT.	16 0 46	16 1 54
	NOV.	14 13 30	14 20 8
	DEC.	14 2 14	14 12 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 179. B. March. d. h. m. 24 18 49	JAN.	12 14 59	13 8 22
	○	27 9 21	27 8 33
	FEB.	11 8 43	11 15 15
	MAR.	12 16 27	13 0 49
	APRIL	11 5 11	11 8 40
	MAY	10 17 55	10 15 42
	JUNE	9 6 39	8 22 58
	JULY	8 19 23	8 7 35
	○	23 13 45	23 20 21
	AUG.	7 8 7	6 18 33
	SEPT.	5 20 51	5 8 19
	OCT.	5 9 35	5 1 18
	NOV.	3 22 19	3 20 11
	DEC.	3 11 3	3 15 39
178. A. 25 0 38	JAN.	1 23 48	2 10 0
		16 18 10	16 12 47
		31 12 32	...
	FEB.	...	1 1 57
	MAR.	2 1 16	2 14 54
		31 14 0	1 1 0
	APRIL	30 2 44	30 8 57
	MAY	29 15 28	29 15 44
	JUNE	28 4 12	27 22 28
	○	12 22 34	13 2 19
	JULY	27 16 56	27 6 15
	AUG.	26 5 40	25 16 6
	SEPT.	24 18 24	24 4 47
	OCT.	24 7 8	23 20 29
	NOV.	22 19 52	22 14 45
	DEC.	22 8 36	22 10 11
177. G.F. 24 6 27	○	6 2 58	6 8 24
	JAN.	20 21 20	21 5 13
	FEB.	19 10 4	19 22 18
	MAR.	19 22 48	20 12 30
	APRIL	18 11 32	18 23 42
	MAY	18 0 16	18 8 26
	JUNE	16 13 0	16 15 44
	JULY	16 1 44	15 22 40
	AUG.	14 14 28	14 6 21
	SEPT.	13 8 12	12 15 39
	OCT.	12 15 56	12 8 18
	NOV.	11 4 40	10 17 34
	DEC.	10 17 24	10 10 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 176.		d. h. m.	d. h. m.
E. March. d. h. m. 24 12 15	JAN.	9 6 9	9 4 34
	FEB.	7 18 53	7 23 8
	MAR.	9 7 37	9 16 37
	APRIL	7 20 21	8 7 54
	MAY	7 9 5	7 20 33
	○	22 3 27	21 18 19
	JUNE	5 21 49	6 6 45
	JULY	5 10 33	5 15 18
	AUG.	3 23 17	3 23 12
	SEPT.	2 12 1	2 7 26
	OCT.	2 0 45	1 16 48
		31 13 29	31 3 47
	○	15 7 51	15 16 2
	NOV.	30 2 13	29 16 39
	DEC.	29 14 57	29 7 21
175. D. 24 18 4	JAN.	28 3 41	27 23 33
	FEB.	26 16 25	26 16 33
	MAR.	28 5 9	28 9 27
	APRIL	26 17 53	27 1 19
	○	11 12 15	11 7 31
	MAY	26 6 37	26 15 25
	JUNE	24 19 21	25 3 33
	JULY	24 8 5	24 14 1
	AUG.	22 20 49	22 23 34
	SEPT.	21 9 38	21 9 0
	OCT.	20 22 17	20 18 55
	○	4 16 39	4 17 48
	NOV.	19 11 1	19 5 38
	DEC.	18 23 45	18 17 20
174. C. 24 23 53	JAN.	17 12 30	17 6 2
	FEB.	16 1 14	15 19 44
	MAR.	17 13 58	17 10 26
	APRIL	16 2 42	16 1 51
	○	30 21 4	1 0 31
	MAY	15 15 26	15 17 27
	JUNE	14 4 10	14 8 35
	JULY	13 16 54	13 22 41
	AUG.	12 5 38	12 11 32
	SEPT.	10 18 22	10 23 20
	OCT.	10 7 6	10 10 31
	○	25 1 28	24 17 9
	NOV.	8 19 50	8 21 24
	DEC.	8 8 34	8 8 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 173.		d. h. m.	d. h. m.
B.A. March. d. h. m. 24 5 42	JAN.	6 21 19	6 19 7
	FEB.	5 10 3	5 6 2
	MAR.	5 22 47	5 17 20
	APRIL	4 11 31	4 5 26
	MAY	4 0 15	3 18 44
	JUNE	2 12 59	2 9 18
	JULY	2 1 43	2 0 43
		31 14 27	31 16 23
	AUG.	30 3 11	30 7 37
	SEPT.	28 15 55	28 22 0
	OCT.	28 4 39	28 11 22
	NOV.	26 17 23	26 23 39
	DEC.	26 6 7	26 10 56
172. G. 24 11 31	JAN.	24 18 51	24 21 16
	FEB.	23 7 35	23 6 50
	○	10 1 57	10 13 27
	MAR.	24 20 19	24 16 9
	APRIL	23 9 3	23 1 55
	MAY	22 21 47	22 12 58
	JUNE	21 10 31	21 1 52
	JULY	20 23 15	20 16 47
	AUG.	19 11 59	19 9 15
	○	3 6 21	2 23 0
	SEPT.	18 0 43	18 2 25
	OCT.	17 13 27	17 19 15
	NOV.	16 2 11	16 10 58
	DEC.	15 14 55	16 0 57
171. F. 24 17 20	JAN.	14 3 40	14 13 0
	FEB.	12 16 24	12 23 12
	○	27 10 46	27 14 5
	MAR.	14 5 8	14 7 56
	APRIL	12 17 52	12 15 52
	MAY	12 6 36	11 23 50
	JUNE	10 19 20	10 8 56
	JULY	10 8 4	9 20 6
	AUG.	8 20 48	8 9 54
	○	23 15 10	23 15 35
	SEPT.	7 9 32	7 2 15
	OCT.	6 22 16	6 20 26
	NOV.	5 11 0	5 15 8
	DEC.	4 23 44	5 8 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 170. E. March. *d. h. m.* 24 28 8	JAN. .	8 12 29	4 0 40
	FEB. .	2 1 18	2 18 47
	○	16 19 35	16 15 17
	MAR. .	8 13 57	4 0 21
	APRIL	2 2 41	2 8 49
	MAY .	1 15 25	1 15 59
		31 4 9	30 22 56
	JUNE .	29 16 53	29 6 41
	JULY .	29 5 37	28 16 23
	○	12 23 59	13 5 34
	AUG. .	27 18 21	27 4 51
	SEPT. .	26 7 5	25 20 22
	OCT. .	25 19 49	25 14 29
	NOV. .	24 8 33	24 9 55
	DEC. .	23 21 17	24 5 4
169. D.C. 24 4 57	JAN. .	22 10 1	22 22 20
	FEB. .	20 22 45	21 12 44
	MAR. .	21 11 29	22 0 7
	APRIL	20 0 13	20 8 56
	MAY .	19 12 57	19 16 8
	JUNE .	18 1 41	17 22 45
	JULY .	17 14 25	17 5 55
	AUG. .	16 3 9	15 14 43
	SEPT. .	14 15 53	14 2 0
	OCT. .	14 4 37	13 16 17
	NOV. .	12 17 21	12 9 23
	DEC. .	12 6 5	12 4 23
	○	27 0 27	27 2 32
168. B. 24 10 46	JAN. .	10 18 50	10 23 46
	FEB. .	9 7 34	9 17 53
	MAR. .	10 20 18	11 9 30
	APRIL	9 9 2	9 22 8
	MAY .	8 21 46	9 7 58
	JUNE .	7 10 30	7 15 53
	○	22 4 52	21 22 45
	JULY .	6 23 14	6 22 57
	AUG. .	5 11 58	5 6 16
	SEPT. .	4 0 42	3 14 48
	OCT. .	3 13 26	3 1 20
	NOV. .	2 2 10	1 14 19
	DEC. ○	1 14 54	1 5 49
		16 9 16	16 17 43
		31 3 38	30 23 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 167. A. March. *d. h. m.* 24 16 35	JAN. .	29 16 23	29 17 43
	FEB. .	28 5 7	28 11 43
	MAR. .	29 17 51	30 4 4
	APRIL	28 6 35	28 18 3
	MAY .	27 19 19	28 5 26
	○	11 13 41	11 3 15
	JUNE .	26 8 3	26 14 49
	JULY .	25 20 47	25 23 6
	AUG. .	24 9 31	24 7 15
	SEPT. .	22 22 15	22 16 9
	OCT. .	22 10 59	22 2 24
	NOV. .	20 23 43	20 14 20
	○	5 18 5	6 4 12
	DEC. .	20 12 27	20 4 2
166. G. 24 22 24	JAN. .	19 1 11	18 19 19
	FEB. .	17 13 55	17 11 45
	MAR. .	19 2 39	19 4 35
	APRIL	17 15 23	17 20 56
	MAY .	17 4 7	17 11 56
	JUNE .	15 16 51	16 1 8
	JULY .	15 5 35	15 12 33
	AUG. .	13 18 19	13 22 43
	SEPT. .	12 7 3	12 8 22
	OCT. .	11 19 47	11 18 11
	NOV. .	10 8 31	10 4 36
	DEC. .	9 21 15	9 15 49
165. F.E. 24 4 13	JAN. .	8 10 0	8 3 52
	FEB. .	6 22 44	6 16 48
	MAR. .	7 11 28	7 6 41
	APRIL	6 0 12	5 21 31
	○	20 18 34	21 0 47
	MAY .	5 12 56	5 12 56
	JUNE .	4 1 40	4 4 22
	JULY .	3 14 24	3 19 7
	AUG. .	2 3 8	2 8 50
		31 15 52	31 21 25
	SEPT. .	30 4 36	30 9 8
	○	14 22 58	14 12 14
	OCT. .	29 17 20	29 20 21
	NOV. .	28 6 4	28 7 20
	DEC. .	27 18 48	27 18 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 164.		d. h. m.	d. h. m.
D. March. d. h. m. 24 10 1	JAN. .	26 7 33	26 4 50
	FEB. .	24 20 17	24 15 37
	MAR. .	26 9 1	26 2 57
	○	10 8 23	10 15 47
	APRIL	24 21 45	24 15 23
	MAY .	24 10 29	24 5 10
	JUNE .	22 23 13	22 20 10
	JULY .	22 11 57	22 11 54
	AUG. .	21 0 41	21 3 40
	SEPT. .	19 13 25	19 18 50
	○	4 7 47	3 18 37
	OCT. .	19 2 9	19 9 0
	NOV. .	17 14 53	17 22 1
	DEC. .	17 3 37	17 9 53
163. C. 24 15 50	JAN. .	15 16 21	15 20 36
	FEB. .	14 5 5	14 6 20
	MAR. .	15 17 49	15 15 28
	○	30 12 11	31 0 25
	APRIL	14 6 33	14 0 37
	MAY .	13 19 17	13 10 43
	JUNE .	12 8 1	11 22 32
	JULY .	11 20 45	11 12 26
	AUG. .	10 9 29	10 4 19
	SEPT. .	8 22 13	8 21 27
	○	23 16 35	23 7 51
	OCT. .	8 10 57	8 14 50
	NOV. .	6 23 41	7 7 27
	DEC. .	6 12 25	6 22 29
162. B. 24 21 39	JAN. .	5 1 10	5 11 34
	FEB. .	3 13 54	3 22 34
	MAR. .	5 2 38	5 7 49
	APRIL	3 15 22	3 15 50
	MAY .	3 4 6	2 23 30
	JUNE .	1 16 50	1 7 47
	JULY .	1 5 34	30 17 44
		30 18 18	30 6 10
	AUG. .	29 7 2	23 21 24
	SEPT. .	27 19 46	27 14 57
	OCT. .	27 8 30	27 9 44
	NOV. .	25 21 14	26 4 17
	DEC. .	25 9 58	25 21 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 161.		d. h. m.	d. h. m.
A.G. March. d. h. m. 24 3 28	JAN. .	23 22 42	24 11 44
	○	7 17 4	7 11 32
	FEB. .	22 11 26	22 23 26
	MAR. .	23 0 10	23 8 43
	APRIL	21 12 54	21 16 17
	MAY .	21 1 38	20 23 8
	JUNE .	19 14 22	19 6 18
	JULY .	19 3 6	18 14 54
	○	2 21 23	3 3 39
	AUG. .	17 15 50	17 1 57
	SEPT. .	16 4 34	15 16 2
	OCT. .	15 17 18	15 9 2
	NOV. .	14 6 2	14 4 5
	DEC. .	13 18 46	13 23 47
160. F. 24 9 17	JAN. .	12 7 31	12 18 0
	○	27 1 53	26 21 14
	FEB. .	10 20 15	11 9 52
	MAR. .	12 8 59	12 22 40
	APRIL	10 21 43	11 8 35
	MAY .	10 10 27	10 16 25
	JUNE .	8 23 11	8 23 10
	JULY .	8 11 55	8 5 59
	○	23 6 17	23 9 5
	AUG. .	7 0 39	6 13 55
	SEPT. .	5 13 23	4 23 58
	OCT. .	5 2 7	4 12 48
	NOV. .	3 14 51	3 4 35
	DEC. .	3 3 35	2 22 45
159. E. 24 15 6	JAN. ○	1 16 20	1 18 4
		16 10 42	16 12 10
		31 5 4	31 12 54
	FEB. .	...	...
	MAR. .	1 17 48	2 5 47
		31 6 32	31 19 50
	APRIL	29 19 16	30 6 59
	MAY .	29 8 0	29 15 45
	JUNE .	27 20 44	27 23 12
	JULY .	27 9 28	27 6 23
	AUG. .	25 22 12	25 14 21
	SEPT. .	24 10 56	23 23 57
	OCT. .	23 23 40	23 11 45
	NOV. .	22 12 24	22 2 0
	DEC. .	22 1 8	21 18 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 158.		d. h. m.	d. h. m.
D. March. d. h. m. 24 20 54	JAN. .	20 13 52	20 12 19
	FEB. .	19 2 36	19 6 30
	MAR. .	20 15 20	20 23 41
	APRIL	19 4 4	19 14 48
	MAY .	18 16 48	19 8 30
	○	2 11 10	2 1 19
	JUNE .	17 5 32	17 18 54
	JULY .	16 18 16	16 22 46
	AUG. .	15 7 0	15 7 8
	SEPT. .	13 19 44	13 15 42
	OCT. .	13 8 28	13 1 28
	NOV. .	11 21 12	11 12 31
	○	26 15 34	27 0 21
	DEC. .	11 9 56	11 1 17
57 C.B. 24 2 43	JAN. .	9 22 41	9 15 38
	FEB. .	8 11 25	8 7 18
	MAR. .	9 0 9	8 23 46
	APRIL	7 12 53	7 16 15
	MAY .	7 1 37	7 7 55
	○	21 19 59	21 14 56
	JUNE .	5 14 21	5 22 6
	JULY .	5 3 5	5 10 33
	AUG. .	3 15 49	3 21 30
	SEPT. .	2 4 33	2 7 34
	OCT. .	1 17 17	1 17 28
		31 6 1	31 3 44
	○	15 0 28	15 1 45
	NOV. .	29 18 45	29 14 35
	DEC. .	29 7 29	29 2 6
156. A. 24 8 32	JAN. .	27 20 14	27 14 21
	FEB. .	26 8 58	26 3 28
	MAR. .	27 21 42	27 17 33
	APRIL	26 10 26	26 8 30
	○	11 4 48	11 8 2
	MAY .	25 23 10	25 23 55
	JUNE .	24 11 54	24 15 8
	JULY .	24 0 38	24 5 36
	AUG. .	22 13 22	22 19 1
	SEPT. .	21 2 6	21 7 26
	OCT. .	20 14 50	20 19 7
	○	4 9 12	4 1 7
	NOV. .	19 3 34	19 6 20
	DEC. .	18 16 18	18 17 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 155.		d. h. m.	d. h. m.
G. March. d. h. m. 24 14 21	JAN. .	17 5 2	17 3 50
	FEB. .	15 17 46	15 14 18
	MAR. .	17 6 30	17 1 0
	APRIL	15 19 14	15 12 33
	MAY .	15 7 58	15 1 25
	JUNE .	13 20 42	13 15 45
	JULY .	13 9 26	13 7 16
	AUG. .	11 22 10	11 23 17
	SEPT. .	10 10 54	10 15 7
	OCT. .	9 23 38	10 6 6
	NOV. .	8 12 22	8 19 59
	DEC. .	8 1 6	8 8 31
154. F. 24 20 10	JAN. .	6 13 51	6 19 47
	FEB. .	5 2 35	5 5 51
	MAR. .	6 15 19	6 14 59
	○	21 9 41	21 20 38
	APRIL	5 4 3	4 23 48
	MAY .	4 16 47	4 9 6
	JUNE .	3 5 31	2 19 49
	JULY .	2 18 16	2 8 35
	AUG. .	1 7 0	31 23 35
		30 19 44	30 16 22
	○	14 14 6	14 7 18
	SEPT. .	29 8 28	29 10 0
	OCT. .	28 21 12	29 3 32
	NOV. .	27 9 56	27 19 28
	DEC. .	26 22 40	27 9 38
153. E.D. 24 1 59	JAN. .	25 11 24	25 21 33
	FEB. .	24 0 8	24 7 32
	○	9 18 30	9 21 13
	MAR. .	24 12 52	24 15 53
	APRIL	23 1 36	22 23 26
	MAY .	22 14 20	22 7 7
	JUNE .	21 3 4	20 16 2
	JULY .	20 15 48	20 3 8
	AUG. .	19 4 32	18 17 2
	○	2 22 54	2 23 41
	SEPT. .	17 17 16	17 9 39
	OCT. .	17 6 0	17 4 8
	NOV. .	15 18 44	15 23 9
	DEC. .	15 7 23	15 17 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 152.	JAN.	13 20 12	14 8 59
C. March.	FEB.	12 8 56	12 22 0
d. h. m.	○	27 8 18	26 22 50
24 7 47	MAR.	13 21 40	14 8 18
	APRIL	12 10 24	12 16 30
	MAY	11 23 8	11 23 30
	JUNE	10 11 52	10 6 18
	JULY	10 0 36	9 14 8
	AUG.	8 13 20	7 23 49
	○	23 7 42	23 13 13
	SEPT.	7 2 4	6 12 24
	OCT.	6 14 48	6 4 6
	NOV.	5 8 32	4 22 21
	DEC.	4 16 16	4 17 53
151. B.	JAN.	3 5 1	3 13 4
	FEB.	1 17 45	2 6 15
24 13 36	MAR.	3 6 29	3 20 32
	APRIL	1 19 13	2 7 44
	MAY	1 7 57	1 16 26
		30 20 41	30 23 35
	JUNE	29 9 25	29 6 15
	JULY	28 22 9	28 13 36
	AUG.	27 10 58	26 22 34
	SEPT.	25 23 37	25 10 4
	OCT.	25 12 21	25 0 26
	NOV.	24 1 5	23 17 29
	DEC.	23 13 49	23 12 20
150. A.	○	7 8 11	7 11 24
	JAN.	22 2 34	22 7 29
	FEB.	20 15 18	21 1 23
24 19 25	MAR.	22 4 2	22 16 50
	APRIL	20 16 46	21 5 21
	MAY	20 5 30	20 15 12
	JUNE	18 18 14	18 23 16
	○	8 12 36	8 5 20
	JULY	18 6 58	18 6 34
	AUG.	16 19 42	16 14 10
	SEPT.	15 8 26	14 23 1
	OCT.	14 21 10	14 9 47
	NOV.	13 9 54	12 22 50
	DEC.	12 22 38	12 14 9
	○	27 17 0	28 2 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 149. G.F. March.	JAN.	11 11 22	11 7 16
d. h. m.	FEB.	10 0 6	10 1 13
24 1 14	MAR.	10 12 50	10 18 50
	APRIL	9 1 34	9 10 58
	MAY	8 14 18	9 0 53
	JUNE	7 3 2	7 12 26
	○	21 21 24	21 10 11
	JULY	6 15 46	6 22 8
	AUG.	5 4 30	5 6 47
	SEPT.	3 17 14	3 15 22
	OCT.	3 5 58	3 0 40
	NOV.	1 18 42	1 11 10
		30 23 5	30 23 5
	DEC.	1 7 26	
	○	16 1 48	16 12 37
		30 20 10	30 12 31
148. E.	JAN.	29 8 55	29 3 18
	FEB.	27 21 39	27 19 10
24 7 8	MAR.	29 10 23	29 11 30
	APRIL	27 23 7	28 3 32
	MAY	27 11 51	27 18 31
	JUNE	26 0 35	26 7 57
	JULY	25 13 19	25 19 49
	AUG.	24 2 3	24 6 31
	SEPT.	22 14 47	22 16 41
	OCT.	22 3 31	22 2 56
	NOV.	20 16 15	20 13 34
	DEC.	20 4 59	20 0 42
147. D.	JAN.	18 17 48	18 12 23
	FEB.	17 6 27	17 0 45
24 12 52	MAR.	18 19 11	18 14 2
	APRIL	17 7 55	17 4 19
	○	2 2 17	2 8 18
	MAY	16 20 39	16 19 23
	JUNE	15 9 23	15 10 48
	JULY	14 22 7	15 1 51
	AUG.	13 10 51	13 16 3
	SEPT.	11 23 35	12 5 15
	OCT.	11 12 19	11 17 33
	○	26 6 41	25 20 13
	NOV.	10 1 3	10 5 10
	DEC.	9 13 47	9 16 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 146. C. March. d. h. m. 24 18 40	JAN.	8 2 31	8 2 58
	FEB.	6 15 16	6 18 16
	MAR.	8 4 0	7 23 32
	APRIL	6 16 44	6 10 18
	○	21 11 6	21 23 8
	MAY	6 5 28	5 22 14
	JUNE	4 18 12	4 11 42
	JULY	4 6 56	4 2 40
	AUG.	2 19 40	2 18 41
	SEPT.	1 8 24	1 10 55
		30 21 8	
	○	15 15 30	1 2 42
	OCT.	30 9 52	15 2 55
			30 17 25
	NOV.	28 22 36	29 6 47
	DEC.	28 11 20	28 18 44
145. B.A. 21 0 29	JAN.	27 0 5	27 5 17
	FEB.	25 12 49	25 14 37
	MAR.	26 1 33	25 23 17
	○	9 19 55	10 7 26
	APRIL	24 14 17	24 8 0
	MAY	24 3 1	23 17 44
	JUNE	22 15 45	22 5 17
	JULY	22 4 29	21 19 12
	AUG.	20 17 18	20 11 17
	SEPT.	19 5 57	19 4 49
	○	4 0 19	3 16 22
	OCT.	18 18 41	18 22 43
	NOV.	17 7 25	17 15 46
	DEC.	16 20 9	17 7 5
144. G. 24 6 18	JAN.	15 8 53	15 20 9
	FEB.	13 21 37	14 6 57
	MAR.	15 10 21	15 15 52
	APRIL	13 23 5	13 23 32
	MAY	13 11 49	13 6 53
	JUNE	12 0 33	11 14 57
	JULY	11 13 17	11 0 48
	AUG.	10 2 1	9 13 18
	SEPT.	8 14 45	8 4 41
	OCT.	8 3 29	7 22 31
	NOV.	6 16 13	6 17 37
	DEC.	6 4 57	6 12 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 143. F. March. d. h. m. 24 12 7	JAN.	4 17 42	5 5 32
	FEB.	3 6 26	3 19 57
	○	18 0 48	17 19 21
	MAR.	4 19 10	5 7 28
	APRIL	3 7 54	3 16 31
	MAY	2 20 38	2 23 53
	JUNE	1 9 22	1 6 35
		30 22 6	30 13 42
	JULY	30 10 50	29 23 22
	○	14 5 12	14 11 3
	AUG.	28 23 34	28 9 32
	SEPT.	27 12 18	26 23 46
	OCT.	27 1 2	26 16 55
	NOV.	25 13 46	25 12 3
	DEC.	25 2 30	25 7 36
142. E. 24 17 56	JAN.	23 15 15	24 1 55
	○	7 9 37	7 5 36
	FEB.	22 3 59	22 17 38
	MAR.	23 16 43	24 6 17
	APRIL	22 5 27	22 16 5
	MAY	21 18 11	21 23 51
	JUNE	20 6 55	20 6 39
	JULY	19 19 39	19 13 35
	○	3 14 1	3 15 58
	AUG.	18 8 23	17 21 45
	SEPT.	16 21 7	16 8 0
	OCT.	16 9 51	15 20 59
	NOV.	14 22 35	14 12 46
	DEC.	14 11 19	14 6 48
141. D.C. 23 23 45	JAN.	13 0 3	13 1 51
	○	27 18 25	27 20 50
	FEB.	11 12 47	11 20 25
	MAR.	12 1 31	12 13 5
	APRIL	10 14 15	11 3 0
	MAY	10 2 59	10 14 8
	JUNE	8 15 43	8 23 1
	JULY	8 4 27	8 6 41
	○	22 22 49	22 16 21
	AUG.	6 17 11	6 14 10
	SEPT.	5 5 55	4 22 29
	OCT.	4 18 39	4 8 21
	NOV.	3 7 23	2 20 17
	DEC.	2 20 7	2 10 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 140. B. March. d. h. m. 24 5 33	JAN. .	1 8 52	1 2 36
		30 21 36	30 20 8
	FEB. .	...	...
	MAR. .	1 10 20	1 18 45
		30 23 4	31 6 35
	APRIL	29 11 48	29 21 37
	MAY .	29 0 32	29 10 23
	○ JUNE .	12 18 54	12 8 22
		27 13 16	27 21 4
	JULY .	27 2 0	27 6 18
	AUG. .	25 14 44	25 15 8
	SEPT. .	24 3 28	24 0 7
	OCT. .	23 16 12	23 10 8
	NOV. .	22 4 56	21 21 22
	○ DEC. .	6 23 18	7 8 40
		21 17 40	21 9 56
139. A. 24 11 22	JAN. .	20 6 25	19 23 52
	FEB. .	18 19 9	18 14 56
	MAR. .	20 7 53	20 6 50
	APRIL	18 20 37	18 22 55
	MAY .	18 9 21	18 14 28
	○ JUNE .	2 3 43	1 22 18
		16 22 5	17 4 47
	JULY .	16 10 49	16 17 36
	AUG. .	14 23 33	15 5 4
	SEPT. .	13 12 17	13 15 43
	OCT. .	13 1 1	13 2 5
	NOV. .	11 13 45	11 12 39
	○ DEC. .	26 8 7	26 9 44
		11 2 29	10 23 33
138. G. 24 17 11	JAN. .	9 15 13	9 10 49
	FEB. .	8 3 57	7 22 34
	MAR. .	9 16 41	9 11 3
	APRIL	8 5 25	8 0 32
	MAY .	7 18 9	7 15 4
	○ JUNE .	22 12 31	22 15 29
		6 6 53	6 6 18
	JULY .	5 19 37	5 21 42
	AUG. .	4 8 21	4 12 36
	SEPT. .	2 21 5	3 2 36
	OCT. .	2 9 49	2 15 37
		31 22 33	1 3 48
	○ NOV. .	15 16 55	15 9 10
		30 11 17	30 15 16
	DEC. .	30 0 1	30 2 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 137. F.E. March. d. h. m. 23 22 59	JAN. .	28 12 46	28 12 28
	FEB. .	27 1 30	26 22 27
	MAR. .	27 14 14	27 8 36
	APRIL	26 2 58	25 19 36
	MAY .	25 15 42	25 8 5
	JUNE .	24 4 26	23 22 17
	JULY .	23 17 10	23 13 56
	AUG. .	22 5 54	22 6 22
	SEPT. .	20 18 33	20 22 45
	OCT. .	20 7 22	20 14 19
	NOV. .	18 20 6	19 4 37
	DEC. .	18 8 50	18 17 22
136. D. 24 4 48	JAN. .	16 21 35	17 4 32
	FEB. .	15 10 19	15 14 16
	MAR. .	16 23 3	16 23 0
	○ APRIL	31 17 25	1 3 39
		15 11 47	15 7 22
	MAY .	15 0 31	14 16 16
	JUNE .	13 13 15	13 2 42
	JULY .	13 1 59	12 15 22
	AUG. .	11 14 43	11 6 28
	SEPT. .	10 3 27	9 23 34
	○ OCT. .	24 21 49	24 15 41
		9 16 11	9 17 39
	NOV. .	8 4 55	8 11 29
	DEC. .	7 17 39	8 3 56
135. C. 24 10 37	JAN. .	6 6 23	6 18 11
	FEB. .	4 19 7	5 6 1
	MAR. .	6 7 51	6 15 41
	○ APRIL	21 2 13	21 4 12
		4 20 35	4 23 42
	MAY .	4 9 19	4 6 57
	JUNE .	2 22 3	2 14 24
	JULY .	2 10 47	1 23 11
		31 23 31	31 10 18
	AUG. .	30 12 15	30 0 18
	○ SEPT. .	14 6 37	14 7 53
		29 0 59	28 17 7
	OCT. .	28 13 43	28 11 54
	NOV. .	27 2 27	27 7 11
	DEC. .	26 15 11	27 1 22

Jerusalem Civil Time.

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 134. B. March. d. h. m. 24 16 26	Jan. .	25 8 56	25 17 11
	Feb. .	23 16 40	24 6 4
	○ Mar. .	10 11 2 / 25 5 24	10 6 16 / 25 16 10
	April	23 18 8	24 0 8
	May .	23 6 52	23 6 59
	June .	21 19 36	21 18 44
	July .	21 8 20	20 21 31
	Aug. .	19 21 4	19 7 24
	○ Sept. .	3 15 26 / 18 9 48	3 20 58 / 17 20 9
	Oct. .	17 22 32	17 11 58
	Nov. .	16 11 16	16 6 19
	Dec. .	16 0 0	16 1 52
133. A.G. 23 22 15	Jan. .	14 12 45	14 20 57
	Feb. .	13 1 29	13 14 1
	Mar. .	13 14 13	14 4 8
	April	12 2 57	12 15 13
	May .	11 15 41	11 23 51
	June .	10 4 25	10 7 1
	July .	9 17 9	9 13 49
	Aug. .	8 5 53	7 21 21
	Sept. .	6 18 37	6 6 35
	Oct. .	6 7 21	5 18 14
	Nov. .	4 20 5	4 8 41
	Dec. .	4 8 49	4 1 39
132. F. 24 4 4	Jan. .	2 21 33	2 20 16
	○	17 15 55	17 20 11
	Feb. .	1 10 17	1 15 5
	Mar. .	2 23 1	3 8 42
	April	1 11 45	1 23 58
	May .	1 0 29 / 30 13 13	1 12 26 / 30 22 24
	June .	29 1 57	29 6 38
	○ July .	13 20 19 / 28 14 41	13 11 58 / 28 14 14
	Aug. .	27 3 25	26 22 12
	Sept. .	25 16 9	25 7 24
	Oct. .	25 4 53	24 18 22
	Nov. .	23 17 37	23 7 24
	Dec. .	23 6 21	22 22 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 131. E. March. d. h. m. 24 9 52	○ Jan. .	7 0 45 / 21 19 5	7 11 12 / 21 15 9
	Feb. .	20 7 50	20 8 37
	Mar. .	21 20 34	22 1 49
	April	20 9 18	20 17 45
	May .	19 22 2	20 7 40
	June .	18 10 46	18 19 27
	○ July .	3 5 8 / 17 23 30	2 17 11 / 18 5 30
	Aug. .	16 12 14	16 14 37
	Sept. .	15 0 58	14 23 39
	Oct. .	14 13 42	14 9 19
	Nov. .	13 2 26	12 20 1
	Dec. . ○	12 15 10 / 27 9 32	12 7 52 / 27 20 59
130. D. 24 15 41	Jan. .	11 3 54	10 20 57
	Feb. .	9 16 38	9 11 11
	Mar. .	11 5 22	11 2 25
	April	9 18 6	9 18 16
	May .	9 6 50	9 10 2
	June . ○	7 19 34 / 22 13 56	8 1 3 / 22 5 41
	July .	7 8 18	7 14 49
	Aug. .	5 21 2	6 3 9
	Sept. .	4 9 46	4 14 24
	Oct. .	3 22 30	4 1 7
	Nov. .	2 11 14	2 11 45
	Dec. .	1 23 58 / 31 12 42	1 22 32 / 31 9 31
129. C.B. 23 21 30	Jan. .	30 1 27	29 20 49
	Feb. .	28 14 11	28 3 37
	Mar. .	29 2 55	28 21 17
	April	27 15 39	27 11 3
	○ May .	12 10 1 / 27 4 23	12 15 46 / 27 1 58
	June .	25 17 7	25 17 17
	July .	25 5 51	25 8 39
	Aug. .	23 18 35	23 23 24
	Sept. .	22 7 19	22 13 12
	Oct. .	21 20 3	22 2 4
	○ Nov. .	5 14 25 / 20 8 47	5 4 19 / 20 14 4
	Dec. .	19 21 31	20 1 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 128. A. March. d. h. m. 24 3 19		d. h. m.	d. h. m.
	JAN.	18 10 15	18 11 43
	FEB.	16 23 0	16 21 38
	MAR.	18 11 44	18 7 21
	APRIL	17 0 28	16 17 35
	○	1 18 50	2 6 24
		16 13 12	16 5 4
	MAY	15 1 56	14 18 17
	JUNE	14 14 40	14 9 16
	JULY	13 8 24	13 1 33
	AUG.	11 16 8	11 18 18
	SEPT.	11 4 52	11 10 40
	○	25 23 14	25 11 23
	OCT.	9 17 36	10 1 54
	NOV.	9 6 20	9 15 33
	DEC.		
127. G. 24 9 8	JAN.	7 19 4	8 3 30
	FEB.	6 7 48	6 13 49
	MAR.	7 20 32	7 22 47
	APRIL	6 9 16	6 7 1
	○	21 3 38	21 14 20
	MAY	5 22 0	5 15 20
	JUNE	4 10 44	4 0 43
	JULY	3 23 28	3 12 9
	AUG.	2 12 12	2 2 4
	SEPT.	1 0 56	31 18 22
		30 13 40	30 12 19
	○	15 8 2	15 0 59
	OCT.	30 2 24	30 6 39
	NOV.	28 15 8	29 0 6
	DEC.	28 3 52	28 15 36
126. F. 24 14 57	JAN.	26 16 37	27 4 38
	FEB.	25 5 21	25 15 12
	MAR.	26 18 5	26 23 48
	APRIL	25 6 49	25 7 10
	MAY	24 19 33	24 14 17
	JUNE	23 8 17	22 22 11
	JULY	22 21 1	22 8 0
	AUG.	21 9 45	20 20 35
	SEPT.	19 22 29	19 12 9
	OCT.	19 11 13	19 6 14
	NOV.	17 23 57	18 1 34
	DEC.	17 12 41	17 20 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 125. E.D. March. d. h. m. 23 20 45		d. h. m.	d. h. m.
	JAN.	16 1 26	16 13 42
	FEB.	14 14 10	15 4 1
	○	29 8 32	29 3 3
	MAR.	15 2 54	15 15 21
	APRIL	13 15 38	14 0 11
	MAY	13 4 22	13 7 23
	JUNE	11 17 6	11 14 0
	JULY	11 5 50	10 21 10
	AUG.	9 18 34	9 5 58
	○	24 12 56	24 18 35
	SEPT.	8 7 18	7 17 18
	OCT.	7 20 2	7 7 39
	NOV.	6 8 46	6 0 54
	DEC.	5 21 30	5 20 3
124. C. 24 2 34	JAN.	4 10 14	4 15 30
	FEB.	2 22 58	3 9 39
	○	17 17 20	17 13 49
	MAR.	4 11 42	5 1 13
	APRIL	3 0 26	3 13 44
	MAY	2 13 10	2 23 28
	JUNE	1 1 54	1 7 13
		30 14 38	30 14 8
	JULY	30 3 22	29 21 17
	○	13 21 44	13 22 55
	AUG.	28 16 6	28 5 42
	SEPT.	27 4 50	26 16 11
	OCT.	26 17 34	26 5 16
	NOV.	25 6 18	24 21 1
	DEC.	24 19 2	24 14 50
123. B. 24 8 23	JAN.	23 7 47	23 9 35
	○	7 2 9	7 5 22
	FEB.	21 20 31	22 3 48
	MAR.	23 9 15	23 20 14
	APRIL	21 21 59	22 10 4
	MAY	21 10 43	21 21 13
	JUNE	19 23 27	20 6 18
	JULY	19 12 11	19 14 14
	○	3 6 33	2 23 9
	AUG.	18 0 55	17 22 7
	SEPT.	16 13 39	16 6 48
	OCT.	16 2 23	15 16 56
	NOV.	14 15 7	14 4 57
	DEC.	14 3 51	13 18 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 122.		d. h. m.	d. h. m.
A. March. d. h. m. 24 14 12	JAN.	12 16 35	12 10 42
	FEB.	11 5 19	11 3 37
	MAR.	12 18 3	12 20 51
	APRIL	11 6 47	11 18 22
	MAY	10 19 31	11 4 18
	JUNE	9 8 15	9 17 13
	JULY	8 20 59	9 4 14
	AUG.	7 9 48	7 13 55
	SEPT.	5 22 27	5 23 9
	OCT.	5 11 11	5 8 41
	NOV.	3 23 55	3 18 57
	DEC.	3 12 39	3 6 13
	○	18 7 1	18 6 54
121. G.F. 26 20 1	JAN.	2 1 24	1 18 33
		31 14 8	31 7 59
	FEB.	...	29 22 27
	MAR.	1 2 52	...
		30 15 36	30 13 46
	APRIL	29 4 20	29 5 29
	MAY	28 17 4	28 20 56
	○	12 11 26	12 5 40
	JUNE	27 5 48	27 11 27
	JULY	26 18 32	27 0 42
	AUG.	25 7 16	25 12 44
	SEPT.	23 20 0	23 23 57
	OCT.	23 8 44	23 10 48
	NOV.	21 21 28	21 21 35
	○	6 15 50	6 17 41
	DEC.	21 10 12	21 8 27
120. E. 24 1 50	JAN.	19 22 57	19 19 26
	FEB.	18 11 41	18 6 41
	MAR.	20 0 25	19 18 34
	APRIL	18 13 9	18 7 29
	MAY	18 1 58	17 21 38
	○	1 20 15	1 22 56
	JUNE	16 14 37	16 12 46
	JULY	16 3 21	16 4 20
	AUG.	14 16 5	14 19 42
	SEPT.	13 4 49	13 10 17
	OCT.	12 17 33	12 23 56
	NOV.	11 6 17	11 12 33
	○	26 0 39	25 17 16
	DEC.	10 19 1	11 0 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 119.		d. h. m.	d. h. m.
D. March. d. h. m. 24 7 33	JAN.	9 7 45	9 10 59
	FEB.	7 20 29	7 20 58
	MAR.	9 9 13	9 6 27
	APRIL	7 21 57	7 16 5
	MAY	7 10 41	7 2 37
	JUNE	5 23 25	5 14 46
	JULY	5 12 9	5 4 52
	AUG.	4 0 53	3 20 39
	SEPT.	2 13 37	2 13 31
	OCT.	2 2 21	2 6 26
		31 15 5	31 22 34
	NOV.	30 3 49	30 13 15
	DEC.	29 16 33	30 2 6
118. C. 24 13 27	JAN.	28 5 18	28 13 9
	FEB.	26 18 2	26 22 35
	MAR.	28 6 46	28 6 53
	○	12 1 8	12 10 31
	APRIL	26 19 30	26 14 50
	MAY	26 8 14	25 23 24
	JUNE	24 20 58	24 9 37
	JULY	24 9 42	23 22 15
	AUG.	22 22 26	22 13 29
	SEPT.	21 11 10	21 6 54
	○	6 5 32	6 0 14
	OCT.	20 23 54	21 1 25
	NOV.	19 12 38	19 19 39
	DEC.	19 1 22	19 12 20
117. B.A. 23 19 16	JAN.	17 14 7	18 2 39
	FEB.	16 2 51	16 14 20
	MAR.	16 15 35	16 23 42
	○	31 9 57	31 11 5
	APRIL	15 4 19	15 7 27
	MAY	14 17 3	14 14 21
	JUNE	13 5 47	12 21 42
	JULY	12 18 31	12 6 26
	AUG.	11 7 15	10 17 35
	SEPT.	9 19 59	9 7 44
	○	24 14 21	24 16 14
	OCT.	9 8 43	9 0 46
	NOV.	7 21 27	7 19 48
	DEC.	7 10 11	7 15 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 116. G. March. d. h. m. 24 1 5		d. h. m.	d. h. m.
	JAN. .	5 22 55	6 9 28
	FEB. .	4 11 39	5 1 14
	MAR. .	6 0 28	6 18 57
	○	20 18 45	20 13 35
	APRIL	4 13 7	4 23 51
	MAY .	4 1 51	4 7 41
	JUNE .	2 14 35	2 14 24
	JULY .	2 3 19	1 21 11
		31 16 3	31 5 5
	AUG. .	30 4 47	29 15 8
	○	13 23 9	14 4 50
		28 17 31	28 4 2
	SEPT. .	28 6 15	27 19 57
	OCT. .	26 18 59	26 14 19
	NOV. .	26 7 43	26 9 47
	DEC. .		
115. F. 24 6 54	JAN. .	24 20 28	25 4 42
	FEB. .	23 9 12	23 21 36
	MAR. .	24 21 56	25 11 34
	APRIL	23 10 40	23 22 31
	MAY .	22 23 24	23 7 11
	JUNE .	21 12 8	21 14 26
	JULY .	21 0 52	20 21 26
	AUG. .	19 13 36	19 5 15
	SEPT. .	18 2 20	17 14 44
	OCT. .	17 15 4	17 2 34
	NOV. .	16 3 48	15 17 1
	DEC. .	15 16 32	15 9 48
114. E. 24 12 43	JAN. .	14 5 17	14 4 5
	○	28 23 39	29 4 49
	FEB. .	12 18 1	12 22 34
	MAR. .	14 6 45	14 15 52
	APRIL	12 19 29	13 6 59
	MAY .	12 8 13	12 19 27
	JUNE .	10 20 57	11 5 34
	JULY .	10 9 41	10 14 4
	○	25 4 3	24 18 46
	AUG. .	8 22 25	8 22 3
	SEPT. .	7 11 9	7 6 25
	OCT. .	6 23 53	6 15 55
	NOV. .	5 12 37	5 3 3
	DEC. .	5 1 21	4 16 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 113. D.C. March. d. h. m. 23 18 31		d. h. m.	d. h. m.
	JAN. .	3 14 5	3 6 46
	○	18 8 27	18 19 46
	FEB. .	2 2 49	1 22 56
	MAR. .	2 15 33	2 15 53
	APRIL	1 4 17	1 8 40
		30 17 1	1 0 23 / 30 14 23
	MAY .	30 5 45	
	JUNE .	28 18 29	29 2 26
	○	13 12 51	13 0 16
	JULY .	28 7 13	28 12 56
	AUG. .	26 19 57	26 22 33
	SEPT. .	25 8 41	25 8 4
	OCT. .	24 21 25	24 18 6
	NOV. .	23 10 9	23 4 55
	DEC. .	22 22 58	22 16 38
112. B. 24 0 20	○	6 17 16	7 5 15
	JAN. .	21 11 38	21 5 18
	FEB. .	20 0 22	19 18 58
	MAR. .	21 13 6	21 9 35
	APRIL	20 1 50	20 0 57
	MAY .	19 14 34	19 16 32
	JUNE .	18 3 18	18 7 37
	○	2 21 40	2 13 5
	JULY .	17 16 2	17 21 43
	AUG. .	16 4 46	16 10 35
	SEPT. .	14 17 30	14 22 27
	OCT. .	14 6 14	14 9 41
	NOV. .	12 18 58	12 20 38
	DEC. .	12 7 42	12 7 30
111. A. 24 6 9	JAN. .	10 20 26	10 18 18
	FEB. .	9 9 11	9 5 9
	MAR. .	10 21 55	10 16 22
	APRIL	9 10 39	9 4 27
	MAY .	8 23 23	8 17 45
	○	23 17 45	23 23 13
	JUNE .	7 12 7	7 8 20
	JULY .	7 0 51	6 23 48
	AUG. .	5 13 35	5 15 32
	SEPT. .	4 2 19	4 6 51
	OCT. .	3 15 3	3 21 18
	NOV. .	2 3 47	2 10 40
	○	16 22 9	16 12 31
	DEC. .	1 16 31	1 22 57
		31 5 15	31 10 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 110. G. March. d. h. m. 24 11 58	JAN.	29 17 59	29 20 22
	FEB.	28 6 43	28 5 50
	MAR.	29 19 27	29 15 3
	APRIL	28 8 11	28 0 47
	○	13 2 33	13 13 33
	MAY	27 20 55	27 11 52
	JUNE	26 9 39	26 0 54
	JULY	25 22 23	25 15 57
	AUG.	24 11 7	24 8 32
	SEPT.	22 23 51	23 1 48
	OCT.	22 12 35	22 18 42
	○	6 6 57	5 19 58
	NOV.	21 1 19	21 10 23
	DEC.	20 14 3	21 0 16
109. F.E. 23 17 47	JAN.	19 2 48	19 12 11
	FEB.	17 15 32	17 22 15
	MAR.	18 4 16	18 6 50
	APRIL	16 17 0	16 14 39
	○	1 11 22	1 21 7
	MAY	16 5 44	15 22 36
	JUNE	14 18 28	14 7 47
	JULY	14 7 12	13 19 5
	AUG.	12 19 56	12 9 4
	SEPT.	11 8 40	11 1 38
	OCT.	10 21 24	10 19 56
	○	25 15 46	25 9 43
	NOV.	9 10 8	9 14 40
	DEC.	8 22 52	9 8 25
108. D. 23 23 36	JAN.	7 11 37	8 0 1
	FEB.	6 0 21	6 12 58
	MAR.	7 13 5	7 23 19
	APRIL	6 1 49	6 7 37
	MAY	5 14 33	5 14 42
	JUNE	4 3 17	3 21 39
	JULY	3 16 1	3 5 30
	AUG.	2 4 45	1 15 21
		31 17 29	31 4 1
	SEPT.	30 6 13	29 19 47
	OCT.	29 18 57	29 14 3
	NOV.	28 7 41	28 9 33
	DEC.	27 20 25	28 4 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 107. C. March. d. h. m. 24 5 24	JAN.	26 9 9	26 21 42
	FEB.	24 21 53	25 11 54
	○	11 16 15	11 10 37
	MAR.	26 10 37	26 23 4
	APRIL	24 23 21	25 7 43
	MAY	24 12 5	24 14 49
	JUNE	23 0 49	22 21 28
	JULY	22 13 33	22 4 44
	AUG.	21 2 17	20 13 41
	○	4 20 39	5 2 10
	SEPT.	19 15 1	19 1 12
	OCT.	19 3 45	18 15 41
	NOV.	17 16 29	17 8 56
	DEC.	17 5 13	17 3 59
106. B. 21 11 13	JAN.	15 17 58	15 23 19
	FEB.	14 6 42	14 17 15
	○	1 1 4	28 21 58
	MAR.	15 19 26	16 8 39
	APRIL	14 8 10	14 21 3
	MAY	13 20 54	14 6 45
	JUNE	12 9 38	12 14 36
	JULY	11 22 22	11 21 42
	AUG.	10 11 6	10 5 6
	○	25 5 28	25 5 59
	SEPT.	8 23 50	8 13 49
	OCT.	8 12 34	8 0 32
	NOV.	7 1 18	6 13 42
	DEC.	6 14 2	6 5 19
105. A.G. 23 17 2	JAN.	5 2 46	4 22 49
	FEB.	3 15 30	3 17 9
	○	18 9 52	18 13 47
	MAR.	4 4 14	4 11 1
	APRIL	2 16 58	3 3 12
	MAY	2 5 42	2 16 59
		31 18 26	1 4 16
	JUNE	30 7 10	30 13 36
	JULY	29 19 54	29 21 54
	○	13 14 16	13 6 3
	AUG.	28 8 38	28 6 10
	SEPT.	26 21 22	26 15 13
	OCT.	26 10 6	26 1 36
	NOV.	24 22 50	24 13 39
	DEC.	24 11 34	24 3 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 104.		d. h. m.	d. h. m.
F. March. d. h. m. 23 22 51	JAN.	23 0 19	22 18 48
	FEB.	21 13 3	21 11 5
	MAR.	23 1 47	23 3 49
	APRIL	21 14 31	21 20 3
	MAY	21 8 15	21 10 57
	JUNE	19 15 59	20 0 4
	JULY	19 4 43	19 11 28
	AUG.	17 17 27	17 21 40
	SEPT.	16 6 11	16 7 25
	OCT.	15 18 55	15 17 20
	NOV.	14 7 39	14 3 51
	DEC.	13 20 23	13 15 6
	○	28 14 45	29 1 7
103. E. 24 4 40	JAN.	12 9 8	12 8 8
	FEB.	10 21 52	10 16 0
	MAR.	12 10 36	12 5 51
	APRIL	10 23 20	10 20 38
	MAY	10 12 4	10 12 1
	JUNE	9 0 48	9 3 24
	○	23 19 10	23 13 6
	JULY	8 13 32	8 18 10
	AUG.	7 2 16	7 7 54
	SEPT.	5 15 0	5 20 32
	OCT.	5 3 44	5 8 19
	NOV.	3 16 28	3 19 35
	DEC.	3 5 12	3 6 35
	○	17 23 34	18 1 40
102. D. 24 10 29	JAN.	1 17 56	1 17 20
		31 6 40	31 3 57
	FEB.	...	...
	MAR.	1 19 24	1 14 40
		31 8 8	31 1 57
	APRIL	29 20 52	29 14 21
	MAY	29 9 36	29 4 9
	○	13 3 58	13 6 20
	JUNE	27 22 20	27 19 14
	JULY	27 11 4	27 11 3
	AUG.	25 23 48	26 2 52
	SEPT.	24 12 32	24 18 6
	OCT.	24 1 16	24 8 18
	NOV.	22 14 0	22 21 19
	○	7 8 22	7 1 24
	DEC.	22 2 44	22 9 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 101.		d. h. m.	d. h. m.
C.B. March. d. h. m. 23 16 17	JAN.	20 15 29	20 19 45
	FEB.	19 4 13	19 5 22
	MAR.	19 16 57	19 14 23
	APRIL	18 5 41	17 23 30
	MAY	17 18 25	17 9 37
	JUNE	16 7 9	15 21 29
	JULY	15 19 53	15 11 32
	AUG.	14 8 37	14 3 33
	SEPT.	12 21 21	12 20 48
	OCT.	12 10 5	12 14 17
	NOV.	10 22 49	11 6 55
	DEC.	10 11 33	10 21 52
100. A. 23 22 6	JAN.	9 0 18	9 10 49
	FEB.	7 13 2	7 21 40
	MAR.	9 1 46	9 6 44
	APRIL	7 14 30	7 14 39
	○	22 8 52	22 17 16
	MAY	7 3 14	6 22 15
	JUNE	5 15 58	5 6 33
	JULY	5 4 42	4 16 37
	AUG.	3 17 26	3 5 16
	SEPT.	2 6 10	1 20 41
	OCT. ○	1 18 54	1 14 25
		16 13 16	16 8 55
		31 7 33	31 9 17
	NOV.	29 20 22	30 3 50
	DEC.	29 9 6	29 20 41
99. G. 24 3 55	JAN.	27 21 50	28 10 58
	FEB.	26 10 34	26 22 29
	MAR.	27 23 18	28 7 34
	○	11 17 40	11 17 50
	APRIL	26 12 2	26 15 2
	MAY	26 0 46	25 21 51
	JUNE	24 13 30	24 5 3
	JULY	24 2 14	23 13 47
	AUG.	22 14 58	22 1 3
	SEPT.	21 3 42	20 15 21
	○	5 22 4	6 0 43
	OCT.	20 16 26	20 8 33
	NOV.	19 5 10	19 3 42
	DEC.	18 17 54	18 23 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 98. F. March. d. h. m. 24 9 44	JAN.	17 6 39	17 17 28
	FEB.	15 19 23	16 9 7
	MAR.	17 8 7	17 21 42
	○	1 2 29	31 20 49
	APRIL	15 20 51	16 7 26
	MAY	15 9 35	15 15 7
	JUNE	13 22 19	13 21 52
	JULY	13 11 3	13 4 44
	AUG.	11 23 47	11 12 49
	SEPT.	10 12 31	9 23 3
	○	25 6 53	25 12 50
	OCT.	10 1 15	9 12 6
	NOV.	8 13 59	8 4 4
	DEC.	8 2 43	7 22 20
97. E.D. 23 15 33	JAN.	6 15 28	6 17 33
	FEB.	5 4 12	5 12 20
	MAR.	5 16 56	6 5 1
	APRIL	4 5 40	4 18 52
	MAY	3 18 24	4 5 49
	JUNE	2 7 8	2 14 30
	JULY	1 19 52	1 21 55
		31 8 36	31 5 12
	AUG.	29 21 20	29 13 18
	SEPT.	28 10 4	27 23 3
	OCT.	27 22 48	27 11 2
	NOV.	26 11 32	26 1 26
	DEC.	26 0 16	25 17 58
96. C. 23 21 22	JAN.	24 13 0	24 11 50
	○	8 7 22	8 13 21
	FEB.	23 1 44	23 5 54
	MAR.	24 14 23	24 22 52
	APRIL	23 3 12	23 13 51
	MAY	22 15 56	23 2 24
	JUNE	21 4 40	21 12 42
	JULY	20 17 24	20 21 35
	○	4 11 46	4 1 37
	AUG.	19 6 8	19 5 58
	SEPT.	17 18 52	17 14 44
	OCT.	17 7 36	17 0 33
	NOV.	15 20 20	15 11 49
	DEC.	15 9 4	15 0 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 95. B. March. d. h. m. 24 3 10	JAN.	13 21 49	13 15 1
	○	28 16 11	29 4 14
	FEB.	12 10 33	12 6 38
	MAR.	13 23 17	13 22 59
	APRIL	12 12 1	12 15 24
	MAY	12 0 45	12 6 59
	JUNE	10 13 29	10 21 5
	JULY	10 2 13	10 9 29
	○	24 20 35	24 7 29
	AUG.	8 14 57	8 20 27
	SEPT.	7 3 41	7 6 36
	OCT.	6 16 25	6 16 36
	NOV.	5 5 9	5 2 57
	DEC.	4 17 53	4 13 51
94. A. 24 8 59	JAN.	3 6 37	3 1 22
	○	18 0 59	18 13 22
	FEB.	1 19 21	1 13 33
	MAR.	3 8 5	3 2 37
	APRIL	1 20 49	1 16 39
	MAY	1 9 33	1 7 34
		30 22 17	30 22 57
	JUNE	29 11 1	29 14 10
	○	14 5 23	13 20 33
	JULY	28 23 45	29 4 39
	AUG.	27 12 29	27 18 7
	SEPT.	26 1 13	26 6 35
	OCT.	25 13 57	25 18 19
	NOV.	24 2 41	24 5 34
	DEC.	23 15 25	23 16 27
93. G.F. 23 14 48	JAN.	22 4 10	22 2 59
	FEB.	20 16 54	20 13 22
	MAR.	21 5 38	21 0 1
	APRIL	19 18 22	19 11 31
	MAY	19 7 6	19 0 25
	○	3 1 28	3 6 39
	JUNE	17 19 50	17 14 49
	JULY	17 8 34	17 6 24
	AUG.	15 21 18	15 22 31
	SEPT.	14 10 2	14 14 25
	OCT.	13 22 46	14 5 26
	NOV.	12 11 30	12 19 18
	○	27 5 52	26 20 45
	DEC.	12 0 14	12 7 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 92.		d. h. m.	d. h. m.
E. March. d. h. m. 23 20 37	JAN.	10 12 59	10 18 59
	FEB.	9 1 48	9 4 55
	MAR.	10 14 27	10 18 56
	APRIL	9 8 11	8 22 39
	MAY	8 15 55	8 7 56
	○	28 10 17	28 20 39
	JUNE	7 4 39	6 18 43
	JULY	6 17 28	6 7 36
	AUG.	5 6 7	4 22 45
	SEPT.	3 18 51	3 15 40
	OCT.	3 7 35	3 9 25
	NOV.	1 20 19	2 2 49
	○	16 14 41	16 4 37
	DEC.	1 9 8	1 18 53
		30 21 47	31 8 55
91. D. 24 2 26	JAN.	29 10 31	29 20 44
	FEB.	27 23 15	28 6 30
	MAR.	29 11 59	29 14 42
	APRIL	28 0 43	27 22 11
	○	12 19 5	13 3 43
	MAY	27 13 27	27 5 53
	JUNE	26 2 11	25 14 52
	JULY	25 14 55	25 2 8
	AUG.	24 3 39	23 16 14
	SEPT.	22 16 23	22 9 2
	OCT.	22 5 7	22 3 39
	○	5 23 29	5 18 33
	NOV.	20 17 51	20 22 43
	DEC.	20 6 35	20 16 39
90. C. 24 8 15	JAN.	18 19 20	19 8 20
	FEB.	17 8 4	17 21 8
	MAR.	18 20 48	19 7 15
	APRIL	17 9 32	17 15 17
	MAY	16 22 16	16 22 12
	JUNE	15 11 0	15 5 1
	JULY	14 23 44	14 12 52
	AUG.	13 12 28	12 22 49
	SEPT.	12 1 12	11 11 38
	OCT.	11 13 56	11 3 32
	NOV.	10 2 40	9 21 57
	DEC.	9 15 24	9 17 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 89.		d. h. m.	d. h. m.
B.A. March. d. h. m. 23 14 3	JAN.	8 4 9	8 12 35
	FEB.	6 16 53	7 5 35
	MAR.	7 5 37	7 19 38
	○	21 23 59	21 18 6
	APRIL	5 18 21	6 6 38
	MAY	5 7 5	5 15 12
	JUNE	3 19 49	3 22 16
	JULY	3 8 33	3 4 59
	AUG.	1 21 17	1 12 26
		31 10 1	30 21 35
	○	15 4 23	15 9 55
	SEPT.	29 22 45	29 9 16
	OCT.	29 11 29	28 23 51
	NOV.	28 0 13	27 17 4
	DEC.	27 12 57	27 11 55
88. G. 23 19 52	JAN.	26 1 41	26 6 58
	FEB.	24 14 25	25 0 42
	○	11 8 47	11 5 57
	MAR.	26 3 9	26 15 55
	APRIL	24 15 53	25 4 14
	MAY	24 4 37	24 13 58
	JUNE	22 17 21	22 21 58
	JULY	22 6 5	22 5 20
	AUG.	20 18 49	20 13 3
	○	4 13 11	4 13 10
	SEPT.	19 7 33	18 22 5
	OCT.	18 20 17	18 9 0
	NOV.	17 9 1	16 22 12
	DEC.	16 21 45	16 13 37
87. F. 24 1 41	JAN.	15 10 30	15 6 45
	FEB.	13 23 14	14 0 37
	○	28 17 36	28 22 4
	MAR.	15 11 58	15 18 7
	APRIL	14 0 42	14 10 4
	MAY	13 13 26	13 23 50
	JUNE	12 2 10	12 11 18
	JULY	11 14 54	11 20 58
	AUG.	10 3 38	10 5 40
	○	24 22 0	24 13 7
	SEPT.	8 16 22	8 14 21
	OCT.	8 5 6	7 23 47
	NOV.	6 17 50	6 10 24
	DEC.	6 6 34	5 22 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 86. E. March. d. h. m. 24 7 30		d. h. m.	d. h. m.
	JAN.	4 19 19	4 11 53
	FEB.	3 8 8	3 2 38
	MAR.	4 20 47	4 18 26
	APRIL	3 9 31	3 10 40
	MAY	2 22 15	3 2 38
	JUNE	1 10 59 30 23 43	1 17 32 1 6 55 30 18 47
	JULY	30 12 27	
	AUG.	29 1 11	29 5 31
	SEPT.	27 13 55	27 15 47
	OCT.	27 2 39	27 2 7
	NOV.	25 15 23	25 12 49
	DEC.	25 4 7	24 23 57
85. D.C. 23 13 19	○	8 22 29	9 9 12
	JAN.	23 16 51	23 11 36
	FEB.	22 5 35	21 23 55
	MAR.	22 18 19	22 13 10
	APRIL	21 7 3	21 3 24
	MAY	20 19 47	20 18 28
	JUNE	19 8 31	19 9 51
	○	4 2 53	3 20 33
	JULY	18 21 15	19 0 55
	AUG.	17 9 59	17 15 10
	SEPT.	15 22 43	16 4 25
	OCT.	15 11 27	15 16 46
	NOV.	14 0 11	14 4 27
	DEC.	13 12 55	13 15 33
	○	28 7 17	28 9 33
84. B. 23 19 8	JAN.	12 1 40	12 2 10
	FEB.	10 14 24	10 12 22
	MAR.	12 3 8	11 22 32
	APRIL	10 15 52	10 9 16
	MAY	10 4 36	9 21 11
	JUNE	8 17 20	8 10 42
	○	23 11 42	23 13 47
	JULY	8 6 4	8 1 46
	AUG.	6 18 48	6 17 52
	SEPT.	5 7 32	5 10 12
	OCT.	4 20 16	5 2 1
	NOV.	3 9 0	3 16 46
	DEC.	2 21 44	3 6 7
	○	17 16 6	17 9 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 83. A. March. d. h. m. 24 0 56	JAN.	1 10 29 30 23 13	1 17 58 31 4 24
	FEB.	...	...
	MAR.	1 11 57 31 0 41	1 13 36 30 22 9
	APRIL	29 13 25	29 6 51
	MAY	29 2 9	28 16 35
	JUNE	27 14 53	27 4 16
	JULY	27 3 37	26 18 19
	AUG.	25 16 21	25 10 35
	SEPT.	24 5 5	24 4 15
	OCT.	23 17 49	23 22 12
	NOV.	22 6 33	22 15 15
	DEC.	21 19 17	22 6 28
82. G. 24 6 45	JAN.	20 8 1	20 19 23
	FEB.	18 20 45	19 6 1
	MAR.	20 9 29	20 14 45
	APRIL	18 22 13	18 22 19
	○	3 16 35	3 23 56
	MAY	18 10 57	18 5 38
	JUNE	16 23 41	16 13 44
	JULY	16 12 25	15 23 44
	AUG.	15 1 9	14 12 25
	SEPT.	13 13 53	13 4 1
	OCT.	13 2 37	12 22 2
	○	27 20 59	27 17 41
	NOV.	11 15 21	11 17 12
	DEC.	11 4 5	11 11 59
81. F.E. 23 12 34	JAN.	9 16 50	10 4 56
	FEB.	8 5 34	8 19 9
	MAR.	8 18 18	9 6 23
	APRIL	7 7 2	7 15 20
	○	22 1 24	22 0 31
	MAY	6 19 46	6 22 35
	JUNE	5 8 30	5 5 16
	JULY	4 21 14	4 12 28
	AUG.	3 9 58	2 21 17
	SEPT.	1 22 42	1 8 40 30 23 7
	OCT. ○	1 11 26 16 5 48 31 0 10	16 9 17 30 16 27
	NOV.	29 12 54	29 11 40
	DEC.	29 1 38	29 7 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 80.	JAN. .	27 14 23	28 1 21
D. March. *d. h. m.* 23 18 23	FEB. .	26 3 7	26 16 51
	MAR. .	27 15 51	28 5 16
	○ APRIL	11 10 13 / 26 4 35	11 3 57 / 26 14 58
	MAY .	25 17 19	25 22 33
	JUNE .	24 6 3	24 5 21
	JULY .	23 18 47	23 12 22
	AUG. .	22 7 31	21 20 40
	SEPT. .	20 20 15	20 7 8
	○ OCT. .	5 14 37 / 20 8 59	5 20 56 / 19 20 19
	NOV. .	18 21 43	18 12 16
	DEC. .	18 10 27	18 6 23
79. C. 24 0 12	JAN. .	16 23 11	17 1 23
	FEB. .	15 11 55	15 19 49
	MAR. .	17 0 39	17 12 16
	APRIL	15 13 23	16 2 0
	MAY .	15 2 7	15 12 57
	JUNE .	13 14 51	13 21 47
	JULY .	13 3 35	13 5 27
	AUG. .	11 16 19	11 13 1
	SEPT. .	10 5 8	9 21 28
	OCT. .	9 17 47	9 7 32
	NOV. .	8 6 31	7 19 37
	DEC. .	7 19 15	7 9 53
78. B. 24 6 1	JAN. .	6 8 0	6 2 4
	FEB. .	4 20 44	4 19 28
	○ MAR. .	19 15 6 / 6 9 28	19 21 45 / 6 13 5
	APRIL	4 22 12	5 5 46
	MAY .	4 10 56	4 20 38
	JUNE .	2 23 40	3 9 17
	JULY .	2 12 24	2 19 54
	AUG. ○	1 1 8 / 15 19 30 / 30 13 52	1 5 10 / 15 8 39 / 30 14 0
	SEPT. .	29 2 36	28 23 12
	OCT. .	28 15 20	29 9 20
	NOV. .	27 4 4	26 20 39
	DEC. .	26 16 48	26 9 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 77. A.G. March. *d. h. m.* 23 11 49	JAN. .	25 5 32	24 23 10
	○ FEB. .	8 23 54 / 23 18 16	9 12 32 / 23 14 12
	MAR. .	24 7 0	24 6 1
	APRIL	22 19 44	22 22 2
	MAY .	22 8 28	22 13 30
	JUNE .	20 21 12	21 3 45
	JULY .	20 9 56	20 16 34
	○ AUG. .	4 4 18 / 18 22 40	3 14 49 / 19 4 4
	SEPT. .	17 11 24	17 14 47
	OCT. .	17 0 8	17 1 15
	NOV. .	15 12 52	15 11 53
	DEC. .	15 1 36	14 22 46
76. F. 23 17 33	JAN. .	13 14 21 / 28 8 43	13 10 2 / 28 21 23
	FEB. .	12 3 5	11 21 44
	MAR. .	13 15 49	13 10 10
	APRIL	12 4 33	11 23 37
	MAY .	11 17 17	11 14 8
	JUNE .	10 6 1	10 5 23
	JULY .	9 18 45	9 20 47
	○ AUG. .	24 13 7 / 8 7 29	24 4 9 / 8 11 43
	SEPT. .	6 20 13	7 1 46
	OCT. .	6 8 57	6 14 51
	NOV. .	4 21 41	5 3 3
	DEC. .	4 10 25	4 14 33
75. E. 23 23 27	JAN. .	2 23 10	3 1 21
	FEB. .	1 11 54	1 11 34
	MAR. .	3 0 33	2 21 28
	APRIL	1 13 22	1 7 33 / 30 18 33
	MAY .	1 2 6 / 30 14 50	30 7 4
	○ JUNE .	14 9 12 / 29 3 34	14 13 58 / 28 21 20
	JULY .	28 16 18	28 13 6
	AUG. .	27 5 2	27 5 33
	SEPT. .	25 17 46	25 22 5
	OCT. .	25 6 30	25 13 41
	NOV. .	23 19 14	24 3 58
	○ DEC. .	8 13 36 / 23 7 58	8 5 4 / 23 16 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 74.		d. h. m.	d. h. m.
D. March. d. h. m. 24 5 16	JAN.	21 20 42	22 8 41
	FEB.	20 9 26	20 18 17
	MAR.	21 22 10	21 21 52
	APRIL	20 10 54	20 6 10
	MAY	19 28 38	19 15 5
	○	8 18 0	4 8 42
	JUNE	18 12 22	18 1 35
	JULY	18 1 6	17 14 24
	AUG.	16 18 50	16 5 40
	SEPT.	15 2 34	14 22 56
	OCT.	14 15 18	14 17 7
	NOV.	13 4 2	13 11 0
	○	27 22 24	27 18 20
	DEC.	12 16 46	13 8 21
73. C.B. 23 11 5	JAN.	11 5 31	11 17 28
	FEB.	9 18 15	10 5 9
	MAR.	10 6 59	10 14 37
	APRIL	8 19 43	8 22 31
	MAY	8 8 27	8 5 40
	○	23 2 49	23 10 27
	JUNE	6 21 11	6 13 9
	JULY	6 9 55	5 22 2
	AUG.	4 22 39	4 9 19
	SEPT.	3 11 23	2 23 33
	OCT.	3 0 7	2 16 35
	NOV.	1 12 51	1 11 29
	○	16 7 13	16 3 29
	DEC.	1 1 35	1 6 47
		30 14 19	31 0 51
72. A. 23 16 54	JAN.	29 3 4	29 16 29
	FEB.	27 15 48	28 5 9
	MAR.	29 4 32	29 15 8
	APRIL	27 17 16	27 22 54
	MAY	27 6 0	27 5 40
	JUNE	25 18 44	25 12 27
	JULY	25 7 28	24 20 22
	AUG.	23 20 12	23 6 27
	SEPT.	22 3 56	21 19 25
	OCT.	21 21 40	21 11 27
	NOV.	20 10 24	20 5 55
	DEC.	19 23 8	20 1 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 71.		d. h. m.	d. h. m.
G. March. d. h. m. 23 22 42	JAN.	18 11 52	18 20 26
	FEB.	17 0 36	17 13 18
	MAR.	18 13 20	19 3 11
	○	2 7 42	2 1 27
	APRIL	17 2 4	17 14 5
	MAY	16 14 48	16 22 35
	JUNE	15 8 32	15 5 42
	JULY	14 16 16	14 12 32
	AUG.	13 5 0	12 20 13
	SEPT.	11 17 44	11 5 37
	○	26 12 6	26 17 44
	OCT.	11 6 28	10 17 29
	NOV.	9 19 12	9 8 7
	DEC.	9 7 56	9 1 11
70. F. 24 4 31	JAN.	7 20 41	7 19 47
	FEB.	6 9 25	6 14 33
	MAR.	7 22 9	8 7 58
	○	22 16 31	22 13 50
	APRIL	6 10 53	6 23 2
	MAY	5 23 37	6 11 20
	JUNE	4 12 21	4 21 10
	JULY	4 1 5	4 5 23
	AUG.	2 13 49	2 13 3
			31 21 9
	SEPT. ○	1 2 33	
		15 20 55	15 20 30
		30 15 17	30 6 30
	OCT.	30 4 1	29 17 37
	NOV.	28 16 45	28 6 47
	DEC.	28 5 29	27 21 55
69. E.D. 23 10 20	JAN.	26 18 14	26 14 36
	FEB.	25 6 58	25 7 59
	○	11 1 20	11 6 12
	MAR.	25 19 42	26 1 4
	APRIL	24 8 26	24 16 50
	MAY	23 21 10	24 6 37
	JUNE	22 9 54	22 18 19
	JULY	21 22 38	22 4 21
	AUG.	20 11 22	20 13 32
	○	4 5 44	3 20 20
	SEPT.	19 0 6	18 22 41
	OCT.	18 12 50	18 8 29
	NOV.	17 1 34	16 19 17
	DEC.	16 14 18	16 7 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 68.		d. h. m.	d. h. m.	B.C. 65.		d. h. m.	d. h. m.
C. March. d. h. m. 23 16 9	JAN. .	15 8 2	14 20 15	G.F. March. d. h. m. 23 9 35	JAN. .	12 18 12	13 2 43
	FEB. .	13 15 46	13 10 28		FEB. .	11 6 56	11 12 53
	MAR. .	15 4 30	15 1 39		MAR. .	11 19 40	11 21 43
	APRIL	13 17 14	13 17 24		APRIL	10 8 24	10 5 50
	MAY .	13 5 58	13 9 7		MAY .	9 21 8	9 14 7
	JUNE .	11 18 42	12 0 5		JUNE .	8 9 52	7 23 34
	JULY .	11 7 26	11 13 48		JULY .	7 22 36	7 11 7
	AUG. .	9 20 10	10 2 10		AUG. .	6 11 20	6 1 13
	SEPT. .	8 8 54	8 13 29		SEPT. .	5 0 4	4 17 42
	OCT. .	7 21 38	8 0 16		OCT. .	4 12 48	4 11 47
	NOV. .	6 10 22	6 10 59		NOV. .	3 1 32	3 6 11
	DEC. .	5 23 6	5 21 47		DEC. .	2 14 16	2 23 35
67. B. 23 21 58	JAN. .	4 11 51	4 8 45	64. E. 23 15 24	JAN. .	1 3 0	1 14 57
	○	19 6 13	19 17 11			30 15 44	31 3 48
	FEB. .	3 0 35	2 20 0		FEB. .	...	...
	MAR. .	4 13 19	4 7 44		MAR. .	1 4 29	1 14 12
	APRIL	3 2 3	2 20 21			30 17 13	30 22 39
	MAY .	2 14 47	2 10 6		APRIL	29 5 57	29 5 55
	JUNE .	1 3 31	1 0 55		○	14 0 19	14 6 30
		30 16 15	30 16 22		MAY .	28 18 41	28 12 59
	○	15 10 37	15 4 8		JUNE .	27 7 25	26 20 58
	JULY .	30 4 59	30 7 47		JULY .	26 20 9	26 6 58
	AUG. .	28 17 43	28 22 35		AUG. .	25 8 53	24 19 45
	SEPT. .	27 6 27	27 12 27		SEPT. .	23 21 37	23 11 32
	OCT. .	26 19 11	27 1 20		OCT. .	23 10 21	23 5 45
	NOV. .	25 7 55	25 13 20		○	7 4 48	7 2 33
	DEC. .	24 20 39	25 0 29		NOV. .	21 23 5	22 1 10
					DEC. .	21 11 49	21 20 7
	○	8 15 2	8 17 25				
66. A. 24 3 47	JAN. .	23 9 24	23 10 53	63. D. 23 21 13	JAN. .	20 0 33	20 13 4
	FEB. .	21 22 8	21 20 40		FEB. .	18 13 17	19 3 10
	MAR. .	23 10 52	23 6 18		MAR. .	20 2 1	20 14 17
	APRIL	21 23 36	21 16 30		APRIL	18 14 45	18 22 57
	MAY .	21 12 20	21 3 59		○	8 9 7	8 7 6
	JUNE .	20 1 4	19 17 18		MAY .	18 3 29	18 6 4
	○	4 19 26	4 21 18		JUNE .	16 16 13	16 12 41
	JULY .	19 13 48	19 8 24		JULY .	16 4 57	15 19 56
	AUG. .	18 2 32	18 0 48		AUG. .	14 17 41	14 4 54
	SEPT. .	16 15 16	16 17 39		SEPT. .	13 6 25	12 16 26
	OCT. .	16 4 0	16 10 3		OCT. .	12 19 9	12 7 2
	NOV. .	14 16 44	15 1 17		○	27 13 31	27 17 57
	DEC. .	14 5 28	14 14 53		NOV. .	11 7 53	11 0 26
	○	28 23 50	28 17 43		DEC. .	10 20 37	10 19 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 62. C. March. *d. h. m.* 24 8 1	JAN. .	9 9 22	9 15 4
	FEB. .	7 22 6	8 9 2
	MAR. .	9 10 50	10 0 24
	APRIL	7 23 34	8 12 41
	○	22 17 56	22 11 0
	MAY .	7 12 18	7 22 15
	JUNE .	6 1 2	6 5 55
	JULY .	5 13 46	5 12 50
	AUG. .	4 2 30	3 20 6
	SEPT. .	2 15 14	2 4 40
	OCT. ○	2 3 58	1 15 22
		16 22 20	17 5 7
		31 16 42	31 4 38
	NOV. .	30 5 26	29 20 31
	DEC. .	29 18 10	29 14 22
61. B.A. 23 8 50	JAN. .	28 6 55	28 9 4
	FEB. .	26 19 39	27 3 9
	MAR. .	27 8 23	27 19 23
	APRIL	25 21 7	26 9 2
	MAY .	25 9 51	25 20 3
	JUNE .	23 22 35	24 5 4
	JULY .	23 11 19	23 13 2
	AUG. .	22 0 3	21 21 0
	SEPT. .	20 12 47	20 5 49
	OCT. .	20 1 31	19 16 8
	NOV. .	18 14 15	18 4 16
	DEC. .	18 2 59	17 18 22
60 G. 23 14 39	JAN. .	16 15 43	16 10 7
	FEB. .	15 4 27	15 2 59
	○	1 22 49	2 5 59
	MAR. .	16 17 11	16 20 7
	APRIL	15 5 55	15 12 30
	MAY .	14 18 39	15 3 18
	JUNE .	13 7 23	13 16 8
	JULY .	12 20 7	13 3 6
	AUG. .	11 8 51	11 12 50
	○	26 3 13	25 15 50
	SEPT. .	9 21 35	9 22 10
	OCT. .	9 10 19	9 7 47
	NOV. .	7 23 3	7 18 11
	DEC. .	7 11 47	7 5 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 59. F. March. *d. h. m.* 23 20 28	JAN. .	6 0 32	5 17 52
	FEB. .	4 13 16	4 7 15
	○	19 7 38	19 20 41
	MAR. .	6 2 0	5 21 40
	APRIL	4 14 44	4 12 56
	MAY .	4 3 28	4 4 35
	JUNE .	2 16 12	2 19 59
	JULY .	2 4 56	2 10 29
		31 17 40	31 23 44
	○	15 12 2	14 22 19
	AUG. .	30 6 24	30 11 49
	SEPT. .	28 19 8	28 23 5
	OCT. .	28 7 52	28 9 59
	NOV. .	26 20 36	26 20 50
	DEC. .	26 9 20	26 7 41
58. E. 24 2 17	JAN. .	24 22 5	24 18 36
	○	8 16 27	9 5 15
	FEB. .	23 10 49	23 5 47
	MAR. .	24 23 33	24 17 37
	APRIL	23 12 17	23 6 30
	MAY .	23 1 1	22 20 40
	JUNE .	21 13 45	21 11 49
	JULY .	21 2 29	21 3 26
	○	4 20 51	4 11 50
	AUG. .	19 15 13	19 18 52
	SEPT. .	18 3 57	18 9 32
	OCT. .	17 16 41	17 23 12
	NOV. .	16 5 25	16 11 50
	DEC. .	15 18 9	15 23 28
57. D.C. 23 8 6	JAN. .	14 6 53	14 10 10
	FEB. .	12 19 37	12 20 2
	MAR. .	13 8 21	13 5 26
	APRIL	11 21 5	11 14 59
	MAY .	11 9 49	11 1 31
	JUNE .	9 22 33	9 13 44
	JULY .	9 11 17	9 3 56
	AUG. .	8 0 1	7 19 53
	SEPT. .	6 12 45	6 12 51
	OCT. .	6 1 29	6 5 51
	NOV. .	4 14 13	4 22 0
	DEC. .	4 2 57	4 12 37
	○	18 21 19	18 13 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 56.		d. h. m.	d. h. m.
B. March. d. h. m. 28 18 54	JAN.	2 15 42	8 1 28
	FEB.	1 4 26	1 12 16
	MAR.	2 17 10	2 21 32
	APRIL	1 5 54	1 5 48
		30 18 38	30 18 36
	MAY	30 7 22	29 22 12
	○	14 1 44	14 10 44
	JUNE	28 20 6	28 8 32
	JULY	28 8 50	27 21 18
	AUG.	26 21 34	26 12 46
	SEPT.	25 10 18	25 6 21
	OCT.	24 23 2	25 0 56
	NOV.	23 11 46	23 19 12
	○	8 6 8	7 22 5
	DEC.	23 0 30	23 11 46
55. A. 23 19 43	JAN.	21 13 15	22 1 55
	FEB.	20 1 59	20 13 24
	MAR.	21 14 48	21 22 36
	APRIL	20 8 27	20 6 12
	MAY	19 16 11	19 13 7
	○	8 10 33	8 17 2
	JUNE	18 4 55	17 20 27
	JULY	17 17 39	17 5 19
	AUG.	16 6 23	15 16 40
	SEPT.	14 19 7	14 7 2
	OCT.	14 7 51	14 0 16
	NOV.	12 20 35	12 19 23
	○	27 14 57	27 12 26
	DEC.	12 9 19	12 14 50
54. G. 24 1 32	JAN.	10 22 3	11 8 57
	FEB.	9 10 47	10 0 29
	MAR.	10 23 31	11 13 0
	APRIL	9 12 15	9 22 42
	MAY	9 0 59	9 6 22
	JUNE	7 13 43	7 13 5
	JULY	7 2 27	6 19 55
	AUG.	5 15 11	5 3 58
	SEPT.	4 3 55	3 14 13
	OCT.	3 16 39	3 3 21
	NOV.	2 5 23	1 19 28
	DEC.	1 18 7	1 13 55
		31 6 51	31 9 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 53.		d. h. m.	d. h. m.
F.E. March. d. h. m. 23 7 21	JAN.	29 19 36	30 4 11
	FEB.	28 8 20	28 20 51
	MAR.	28 21 4	29 10 36
	○	12 15 26	12 8 44
	APRIL	27 9 48	27 21 25
	MAY	26 22 32	27 5 54
	JUNE	25 11 16	25 13 9
	JULY	25 0 0	24 20 14
	AUG.	23 12 44	23 4 10
	SEPT.	22 1 28	21 13 51
	○	6 19 50	7 1 42
	OCT.	21 14 12	21 1 52
	NOV.	20 2 56	19 16 23
	DEC.	19 15 40	19 9 20
52. D. 23 13 10	JAN.	18 4 24	18 3 36
	FEB.	16 17 8	16 21 57
	MAR.	18 5 52	18 15 6
	○	2 0 14	1 21 34
	APRIL	16 18 36	17 6 1
	MAY	16 7 20	16 18 19
	JUNE	14 20 4	15 4 21
	JULY	14 8 48	14 12 52
	AUG.	12 21 32	12 20 53
	SEPT.	11 10 16	11 5 23
	○	26 4 38	26 3 56
	OCT.	10 23 0	10 15 3
	NOV.	9 11 44	9 2 18
	DEC.	9 0 28	8 15 23
51. C. 23 18 59	JAN.	7 13 13	7 6 11
	FEB.	6 1 57	5 22 19
	MAR.	7 14 41	7 15 11
	○	22 9 3	22 14 11
	APRIL	6 3 25	6 7 51
	MAY	5 16 9	5 23 27
	JUNE	4 4 53	4 13 21
	JULY	3 17 37	4 1 21
	AUG.	2 6 21	2 11 50
		31 19 5	31 21 31
	○	15 13 27	15 3 42
	SEPT.	30 7 49	30 7 9
	OCT.	29 20 33	29 17 17
	NOV.	28 9 17	28 4 10
	DEC.	27 22 1	27 15 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 50.		d. h. m.	d. h. m.
B. March. d. h. m. 24 0 47	JAN.	26 10 46	26 4 34
	FEB.	24 28 30	24 18 11
	MAR.	26 12 14	26 8 45
	APRIL	25 0 58	25 0 5
	MAY	24 18 42	24 15 36
	JUNE	28 2 26	28 6 39
	JULY	22 15 10	22 20 44
	AUG.	21 3 54	21 9 40
	SEPT.	19 16 38	19 21 35
	OCT.	19 5 22	19 8 52
	NOV.	17 18 6	17 19 58
	DEC.	17 6 50	17 6 45
49. A.G. 28 6 36	JAN.	15 19 34	15 17 30
	○	30 18 56	31 1 1
	FEB.	14 8 18	14 4 15
	MAR.	14 21 2	14 15 24
	APRIL	13 9 46	13 3 27
	MAY	12 22 30	12 16 45
	JUNE	11 11 14	11 7 28
	JULY	10 28 58	10 22 54
	○	25 18 20	25 11 45
	AUG.	9 12 42	9 14 42
	SEPT.	8 1 26	8 6 4
	OCT.	7 14 10	7 20 34
	NOV.	6 2 54	6 9 57
	DEC.	5 15 38	5 22 12
48. F. 23 12 25	JAN.	4 4 28	4 9 21
	○	18 22 45	19 1 10
	FEB.	2 17 7	2 19 28
	MAR.	4 5 51	4 4 49
	APRIL	2 18 35	2 13 57
	MAY	2 7 19	1 28 39
		31 20 3	31 10 47
	JUNE	30 8 47	29 28 55
	○	15 3 9	15 4 49
	JULY	29 21 31	29 15 6
	AUG.	28 10 15	28 7 50
	SEPT.	26 22 59	27 1 11
	OCT.	26 11 43	26 18 8
	NOV.	25 0 27	25 9 47
	DEC.	24 13 11	24 23 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 47.		d. h. m.	d. h. m.
E. March. d. h. m. 23 18 14	○	8 7 34	8 1 48
	JAN.	28 1 56	28 11 22
	FEB.	21 14 40	21 21 15
	MAR.	23 3 24	23 5 42
	APRIL	21 16 8	21 18 25
	MAY	21 4 52	20 21 23
	JUNE	19 17 36	19 6 37
	○	4 11 58	4 19 19
	JULY	19 6 20	18 18 4
	AUG.	17 19 4	17 8 16
	SEPT.	16 7 48	16 1 0
	OCT.	15 20 32	15 19 28
	NOV.	14 9 16	14 14 14
	DEC.	13 22 0	14 7 54
46. D. 24 0 3	JAN.	12 10 44	12 23 21
	FEB.	10 23 28	11 12 5
	MAR.	12 12 12	12 22 15
	APRIL	11 0 56	11 6 24
	MAY	10 13 40	10 18 25
	JUNE	9 2 24	8 20 20
	JULY	8 15 8	8 4 17
	AUG.	7 3 52	6 14 19
	SEPT.	5 16 36	5 3 13
	OCT.	5 5 20	4 19 11
	NOV.	3 18 4	3 13 36
	○	18 12 26	18 11 30
	DEC.	3 6 48	3 9 9
45. C.B. 23 5 52	JAN.	1 19 33	2 4 8
		31 8 17	31 21 4
	FEB.	29 21 1	...
		...	1 11 2
	MAR.	30 9 45	30 21 59
	APRIL	28 22 29	29 6 29
	○	18 16 51	18 13 39
	MAY	28 11 13	28 13 31
	JUNE	26 23 57	26 20 10
	JULY	26 12 41	26 3 33
	AUG.	25 1 25	24 12 41
	SEPT.	23 14 9	23. 0 23
	OCT.	23 2 53	22 15 6
	○	6 21 15	7 2 42
	NOV.	21 15 37	21 8 30
	DEC.	21 4 21	21 3 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 44.			
A. March. *d. h. m.* 23 11 40	JAN. .	19 17 5	19 22 48
	FEB. .	18 5 50	18 16 36
	MAR. .	19 18 34	20 7 47
	APRIL	18 7 18	18 19 59
	○	8 1 40	2 18 1
	MAY .	17 20 2	18 5 32
	JUNE .	16 8 46	16 13 19
	JULY .	15 21 30	15 20 27
	AUG. .	14 10 14	14 8 59
	SEPT. .	12 22 58	12 12 51
	OCT. .	12 11 42	11 23 45
	○	27 6 4	27 13 23
	NOV. .	11 0 26	10 13 5
	DEC. .	10 13 10	10 4 48
43. G. 23 17 29	JAN. .	9 1 54	8 22 20
	FEB. .	7 14 38	7 16 36
	MAR. .	9 8 22	9 10 19
	APRIL	7 16 6	8 2 21
	MAY .	7 4 50	7 15 57
	JUNE .	5 17 34	6 8 7
	JULY .	5 6 18	5 12 24
	AUG. .	3 19 2	3 20 44
	SEPT. .	2 7 46	2 5 6
	OCT. .	1 20 30	1 14 18
		31 9 14	31 0 50
	NOV. .	29 21 58	29 12 59
	DEC. .	29 10 42	29 2 48
42. F. 23 23 18	JAN. .	27 23 26	27 18 5
	FEB. .	26 12 11	26 10 23
	○	13 6 33	13 14 5
	MAR. .	28 0 55	28 3 3
	APRIL	26 13 39	26 19 10
	MAY .	26 2 23	26 9 58
	JUNE .	24 15 7	24 23 0
	JULY .	24 3 51	24 10 23
	AUG. .	22 16 35	22 20 38
	○	6 10 57	5 23 11
	SEPT. .	21 5 19	21 6 28
	OCT. .	20 18 3	20 16 29
	NOV. .	19 6 47	19 3 5
	DEC. .	18 19 31	18 14 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 41.			
E.D. March. *d. h. m.* 23 5 7	JAN. .	17 8 16	17 2 23
	FEB. .	15 21 0	15 15 13
	○	1 15 22	2 4 41
	MAR. .	16 9 44	16 5 1
	APRIL	14 22 28	14 19 45
	MAY .	14 11 12	14 11 5
	JUNE .	12 23 56	13 2 28
	JULY .	12 12 40	12 17 13
	AUG. .	11 1 24	11 6 59
	○	25 19 46	25 5 58
	SEPT. .	9 14 8	9 19 40
	OCT. .	9 2 52	9 7 30
	NOV. .	7 15 36	7 18 49
	DEC. .	7 4 20	7 5 49
40. C. 23 10 56	JAN. .	5 17 4	5 16 33
	FEB. .	4 5 48	4 3 5
	○	19 0 10	19 12 56
	MAR. .	5 18 32	5 13 42
	APRIL	4 7 16	4 0 57
	MAY .	3 20 0	3 13 21
	JUNE .	2 8 44	2 3 11
	JULY .	1 21 28	1 18 19
		31 10 12	31 10 12
	○	15 4 34	14 19 39
	AUG. .	29 22 56	30 2 7
	SEPT. .	28 11 40	28 17 24
	OCT. .	28 0 24	28 7 38
	NOV. .	26 13 8	26 20 37
	DEC. .	26 1 52	26 8 21
39. B. 23 16 45	JAN. .	24 14 37	24 18 53
	FEB. .	23 3 21	23 4 22
	MAR. .	24 16 5	24 13 16
	APRIL	23 4 49	22 22 20
	MAY .	22 17 33	22 8 29
	JUNE .	21 6 17	20 20 27
	JULY .	20 19 1	20 10 38
	AUG. .	19 7 45	19 2 48
	SEPT. .	17 20 29	17 20 11
	OCT. .	17 9 13	17 13 44
	NOV. .	15 21 57	16 6 20
	DEC. .	15 10 41	15 21 15
	○	30 5 3	29 21 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 38.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 23 22 33	JAN. .	13 23 25	14 10 2
	FEB. .	12 12 9	12 20 43
	MAR. .	14 0 53	14 5 39
	APRIL	12 13 37	12 13 25
	MAY .	12 2 21	11 20 59
	JUNE .	10 15 5	10 5 20
	○	25 9 27	25 17 45
	JULY .	10 3 49	9 15 32
	AUG. .	8 16 33	8 4 21
	SEPT. .	7 5 17	6 19 59
	OCT. .	6 18 1	6 13 58
	NOV. .	5 6 45	5 8 50
	DEC. .	4 19 29	5 3 22
	○	19 13 51	19 6 49
37. G.F. 23 4 22	JAN. .	3 8 14	3 20 7
	FEB. .	1 20 58	2 10 12
	MAR. .	2 9 42	2 21 30
		31 22 26	1 6 25
	APRIL	30 11 10	30 13 47
	MAY .	29 23 54	29 20 32
	○	13 18 16	13 23 36
	JUNE .	28 12 38	28 3 48
	JULY .	28 1 22	27 12 42
	AUG. .	26 14 6	26 0 9
	SEPT. .	25 2 50	24 14 42
	OCT. .	21 15 34	24 8 5
	NOV. .	23 4 18	23 3 19
	○	7 22 40	7 21 23
	DEC. .	22 17 2	22 22 49
36. E. 23 10 11	JAN. .	21 5 47	21 16 52
	FEB. .	19 18 31	20 8 20
	MAR. .	21 7 15	21 20 41
	APRIL	19 19 59	20 6 14
	MAY .	19 8 43	19 13 51
	JUNE .	17 21 27	17 20 33
	JULY .	17 10 11	17 3 30
	AUG. .	15 22 55	15 11 44
	SEPT. .	14 11 39	13 22 10
	OCT. .	14 0 23	13 11 27
	NOV. .	12 13 7	12 3 35
	DEC. .	12 1 51	11 21 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 35.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 23 16 0	JAN. .	10 14 35	10 17 11
	FEB. .	9 3 19	9 11 44
	MAR. .	10 16 3	11 4 14
	APRIL	9 4 47	9 17 51
	○	23 23 9	23 15 56
	MAY .	8 17 31	9 4 37
	JUNE .	7 6 15	7 13 18
	JULY .	6 18 59	6 20 33
	AUG. .	5 7 43	5 3 59
	SEPT. .	3 20 27	3 12 15
	OCT. .	3 9 11	2 22 11
	○	18 3 33	18 9 43
	NOV. .	1 21 55	1 10 21
	DEC. .	1 10 39	1 0 52
		30 23 23	30 17 27
34. C. 23 21 49	JAN. .	29 12 8	29 11 17
	FEB. .	28 0 52	28 5 14
	MAR. .	29 13 36	29 22 5
	○	13 7 58	13 5 14
	APRIL	28 2 20	28 12 54
	MAY .	27 15 4	28 1 17
	JUNE .	26 3 48	26 11 32
	JULY .	25 16 32	25 20 24
	AUG. .	24 5 16	24 4 52
	SEPT. .	22 18 0	22 13 46
	○	7 12 22	7 11 31
	OCT. .	22 6 44	21 23 44
	NOV. .	20 19 28	20 11 6
	DEC. .	20 8 12	20 0 0
33. B.A. 23 3 33	JAN. .	18 20 57	18 14 22
	FEB. .	17 9 41	17 5 58
	MAR. .	17 22 25	17 22 16
	○	1 16 47	1 22 4
	APRIL	16 11 9	16 14 34
	MAY .	15 23 53	16 6 3
	JUNE .	14 12 37	14 20 3
	JULY .	14 1 21	14 8 26
	AUG. .	12 14 5	12 19 24
	SEPT. .	11 2 49	11 5 33
	○	25 21 11	25 11 13
	OCT. .	10 15 33	10 15 44
	NOV. .	9 4 17	9 2 11
	DEC. .	8 17 1	8 13 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 32. G. March. d. h. m. 28 9 26		d. h. m.	d. h. m.
	JAN.	7 5 45	7 0 37
	FEB.	5 18 29	5 12 47
	MAR.	7 7 18	7 1 46
	APRIL	5 19 57	5 15 46
	MAY	5 8 41	5 6 39
	JUNE	3 21 25	3 22 1
	JULY	3 10 9	3 13 14
	AUG.	1 22 53 31 11 37	2 3 44 31 17 14
	SEPT.	30 0 21	30 5 46
	OCT.	29 13 5	29 17 33
	NOV.	28 1 49	28 4 49
	DEC.	27 14 33	27 15 40
31. F. 28 15 15	JAN.	26 3 18	26 2 9
	○ FEB.	9 21 40 24 16 2	10 3 43 24 12 25
	MAR.	26 4 46	25 22 59
	APRIL	24 17 30	24 10 29
	MAY	24 6 14	23 23 24
	JUNE	22 18 58	22 13 52
	JULY	22 7 42	22 5 33
	○ AUG.	6 2 4 20 20 26	5 19 32 20 21 45
	SEPT.	19 9 10	19 13 42
	OCT.	18 21 54	19 4 47
	NOV.	17 10 38	17 18 38
	DEC.	16 23 22	17 7 5
30. E. 28 21 4	JAN.	15 12 7	15 18 10
	○ FEB.	30 6 29 14 0 51	30 8 49 14 3 57
	MAR.	15 13 35	15 12 50
	APRIL	14 2 19	13 21 30
	MAY	13 15 3	13 6 47
	JUNE	12 3 47	11 17 37
	JULY	11 16 31	11 6 38
	○ AUG.	26 10 53 10 5 15	26 12 28 9 21 57
	SEPT.	8 17 59	8 15 2
	OCT.	8 6 43	8 3 52
	NOV.	6 19 27	7 2 19
	DEC.	6 8 11	6 18 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 29. D.C. March. d. h. m. 28 2 53		d. h. m.	d. h. m.
	JAN.	4 20 55	5 3 14
	○ FEB.	19 15 17 3 9 39	19 9 50 3 19 52
	MAR.	3 22 23	4 5 27
	APRIL	2 11 7	2 13 32
	MAY	1 23 51 31 12 35	1 20 56 31 4 33
	JUNE	30 1 19	29 13 43
	○ JULY	14 19 41 29 14 3	15 2 33 29 1 9
	AUG.	28 2 47	27 15 28
	SEPT.	26 15 31	26 8 28
	OCT.	26 4 15	26 3 13
	NOV.	24 16 59	24 22 17
	DEC.	24 5 43	24 16 9
28. B. 28 8 42	JAN.	22 18 28	23 7 38
	FEB.	21 7 12	21 20 14
	MAR.	22 19 56	23 6 9
	APRIL	21 8 40	21 14 3
	MAY	20 21 24	20 20 53
	JUNE	19 10 8	19 3 44
	JULY	18 22 52	18 11 42
	AUG.	17 11 36	16 21 49
	SEPT.	16 0 20	15 10 52
	OCT.	15 13 4	15 2 59
	NOV.	14 1 48	13 21 32
	○ DEC.	28 20 10 13 14 32	28 20 28 13 17 8
27. A. 28 14 31	JAN.	12 3 17	12 12 6
	FEB.	10 16 1	11 4 55
	MAR.	12 4 45	12 18 44
	APRIL	10 17 29	11 5 31
	MAY	10 6 13	10 13 57
	○ JUNE	25 0 35 8 18 57	24 20 12 8 20 57
	JULY	8 7 41	8 3 43
	AUG.	6 20 25	6 11 16
	SEPT.	5 9 9	4 20 37
	OCT.	4 21 53	4 8 31
	NOV.	3 10 37	2 23 18
	○ DEC.	18 4 59 2 23 21	18 11 29 2 16 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 26. G. March. d. h. m. 23 20 19	JAN.	1 12 5	1 11 30
		31 0 49	31 6 27
	FEB.	...	...
	MAR.	1 18 33	2 0 0
		31 2 17	31 15 1
	APRIL	29 15 1	30 3 8
	○	14 9 23	14 0 58
	MAY	29 3 45	29 12 45
	JUNE	27 16 29	27 20 43
	JULY	27 5 13	27 4 6
	AUG.	25 17 57	25 11 58
	SEPT.	24 6 41	23 21 9
	OCT.	23 19 25	23 8 15
	○	7 13 47	7 21 42
	NOV.	22 8 9	21 21 36
	DEC.	21 20 58	21 13 5
25. F.E. 23 2 8	JAN.	20 9 38	20 6 13
	FEB.	18 22 22	19 0 2
	MAR.	19 11 6	19 17 22
	APRIL	17 23 50	18 9 11
	MAY	17 12 34	17 22 47
	JUNE	16 1 18	16 10 9
	JULY	15 14 2	15 19 47
	AUG.	14 2 46	14 4 32
	SEPT.	12 15 30	12 13 22
	OCT.	12 4 14	11 22 55
	NOV.	10 16 58	10 9 39
	DEC.	10 5 42	9 21 44
24. D. 23 7 57	JAN.	8 18 26	8 11 13
	FEB.	7 7 10	7 1 57
	MAR.	8 19 54	8 17 41
	○	28 14 16	28 22 2
	APRIL	7 8 38	7 9 50
	MAY	6 21 22	7 1 42
	JUNE	5 10 6	5 16 32
	JULY	4 22 50	5 5 52
	AUG.	3 11 34	3 17 44
	SEPT.	2 0 18	2 4 32
	○	16 18 40	16 6 41
	OCT.	1 13 2	1 14 53
		31 1 46	31 1 19
	NOV.	29 14 30	29 12 3
	DEC.	29 3 14	28 23 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
B.C. 23. C. March. d. h. m. 23 13 46	JAN.	27 15 59	27 10 43
	FEB.	26 4 43	25 23 4
	○	12 23 5	13 12 30
	MAR.	27 17 27	27 12 15
	APRIL	26 6 11	26 2 27
	MAY	25 18 55	25 17 31
	JUNE	24 7 39	24 8 55
	JULY	23 20 23	24 0 1
	AUG.	22 9 7	22 14 18
	○	6 3 29	5 13 46
	SEPT.	20 21 51	21 3 36
	OCT.	20 10 35	20 16 0
	NOV.	18 23 19	19 3 42
	DEC.	18 12 3	18 14 47
22. B. 23 19 35	JAN.	17 0 48	17 1 20
	FEB.	15 13 32	15 11 26
	○	2 7 54	2 20 28
	MAR.	17 2 16	16 21 32
	APRIL	15 15 0	15 8 12
	MAY	15 3 44	14 20 8
	JUNE	13 16 28	13 9 44
	JULY	13 5 12	13 0 53
	AUG.	11 17 56	11 17 5
	○	26 12 18	26 3 39
	SEPT.	10 6 40	10 9 31
	OCT.	9 19 24	10 1 23
	NOV.	8 8 8	8 16 8
	DEC.	7 20 52	8 5 36
21. A.G. 23 1 24	JAN.	6 9 36	6 17 11
	FEB.	4 22 20	5 3 27
	MAR.	5 11 4	5 12 32
	APRIL	3 23 48	3 21 0
	MAY	3 12 32	3 5 39
	JUNE	2 1 16	1 15 26
	JULY	1 14 0	1 3 14
		31 2 44	30 17 27
	AUG.	29 15 28	29 9 52
	SEPT.	28 4 12	28 3 41
	OCT.	27 16 56	27 21 41
	NOV.	26 5 40	26 14 42
	DEC.	25 18 24	26 5 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 20. F. March. *d. h. m.* 23 7 12	○	9 12 47	9 5 52
	JAN. .	24 7 9	24 18 34
	FEB. .	22 19 58	23 5 1
	MAR. .	24 8 37	24 13 36
	APRIL	22 21 21	22 21 4
	MAY .	22 10 5	22 4 22
	JUNE .	20 22 49	20 12 32
	○	5 17 11	6 0 48
	JULY .	20 11 33	19 22 41
	AUG. .	19 0 17	18 11 34
	SEPT. .	17 13 1	17 3 23
	OCT. .	17 1 45	16 21 33
	NOV. .	15 14 29	15 16 48
	DEC. .	15 3 13	15 11 32
	○	29 21 35	29 15 33
19. E. 23 13 1	JAN. .	13 15 58	14 4 20
	FEB. .	12 4 42	12 18 21
	MAR. .	13 17 26	14 5 27
	APRIL	12 6 10	12 14 8
	MAY .	11 18 54	11 21 18
	JUNE .	10 7 38	10 3 58
	○	25 2 0	25 6 11
	JULY .	9 20 22	9 11 14
	AUG. .	8 9 6	7 20 13
	SEPT. .	6 21 50	6 7 49
	OCT. .	6 10 34	5 22 30
	NOV. .	4 23 18	4 16 0
	DEC. .	4 12 2	4 11 17
	○	19 6 24	19 6 22
18. D. 23 18 50	JAN. .	3 0 46	3 6 44
	FEB. .	1 13 30	2 0 43
	MAR. .	3 2 14	3 16 1
	APRIL	1 14 58	2 4 13
	MAY .	1 3 42	1 13 40
		30 16 26	30 21 14
	JUNE .	29 5 10	29 4 3
	JULY .	28 17 54	28 11 9
	AUG. .	27 6 38	26 19 37
	SEPT. .	25 19 22	25 6 17
	OCT. .	25 8 6	24 19 40
	NOV. .	23 20 50	23 11 46
	DEC. .	23 9 34	23 5 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 17. C.B. March. *d. h. m.* 23 0 39	JAN. .	21 22 19	22 0 56
	FEB. .	20 11 3	20 19 11
	MAR. .	20 23 47	21 11 27
	APRIL	19 12 31	20 0 58
	○	4 6 53	3 23 5
	MAY .	19 1 15	19 11 48
	JUNE .	17 13 59	17 20 32
	JULY .	17 2 43	17 4 12
	AUG. .	15 15 27	15 11 53
	SEPT. .	14 4 11	13 20 30
	OCT. .	13 16 55	13 6 42
	○	28 11 17	28 17 51
	NOV. .	12 5 39	11 18 57
	DEC. .	11 18 23	11 9 20
16. A. 23 6 28	JAN. .	10 7 8	10 1 34
	FEB. .	8 19 52	8 18 54
	MAR. .	10 8 36	10 12 23
	APRIL	8 21 20	9 4 55
	○	23 15 42	23 12 49
	MAY .	8 10 4	8 19 33
	JUNE .	6 22 48	7 8 10
	JULY .	6 11 32	6 18 45
	AUG. .	5 0 16	5 4 3
	SEPT. .	3 13 0	3 12 58
	OCT. .	3 1 44	2 22 17
	○	17 20 6	17 19 14
	NOV. .	1 14 28	1 8 32
	DEC. .	1 3 12	30 19 57
		30 15 56	30 8 36
15. G. 23 12 17	JAN. .	29 4 40	28 22 29
	FEB. .	27 17 24	27 13 28
	MAR. .	29 6 8	29 5 13
	○	13 0 30	13 5 47
	APRIL	27 18 52	27 21 8
	MAY .	27 7 36	27 12 31
	JUNE .	25 20 20	26 2 44
	JULY .	25 9 4	25 15 33
	AUG. .	23 21 48	24 3 5
	SEPT. .	22 10 32	22 13 52
	○	7 4 54	6 18 54
	OCT. .	21 23 16	22 0 25
	NOV. .	20 12 0	20 11 7
	DEC. .	20 0 44	19 22 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 14. F. March. *d. h. m.* 23 18 5	JAN. .	18 13 29	18 9 15
	FEB. .	17 2 13	16 20 52
	MAR. .	18 14 57	18 9 16
	APRIL	17 8 41	16 22 41
	MAY .	16 16 25	16 13 10
	JUNE .	15 5 9	15 4 28
	JULY .	14 17 53	14 19 53
	AUG. .	13 6 37	13 10 52
	SEPT. .	11 19 21	12 0 57
	OCT. .	11 8 5	11 14 5
	NOV. .	9 20 49	10 2 19
	DEC. .	9 9 33	9 13 47
13. E.D. 22 23 54	JAN. .	7 22 18	8 0 33
	FEB. .	6 11 2	6 10 40
	○	21 5 24	21 16 16
	MAR. .	6 23 46	6 20 27
	APRIL	5 12 30	5 6 28
	MAY .	5 1 14	4 17 28
	JUNE .	3 13 58	3 6 2
	JULY .	3 2 42	2 20 25
	AUG. ○	1 15 26	1 12 16
		16 9 48	16 8 25
		31 4 10	31 4 55
	SEPT. .	29 16 54	29 21 26
	OCT. .	29 5 38	29 13 5
	NOV. .	27 18 22	28 8 20
	DEC. .	27 7 6	27 15 54
12. C. 23 5 43	JAN. .	25 19 50	26 2 49
	○	9 14 12	9 16 19
	FEB. .	24 8 34	24 12 17
	MAR. .	25 21 18	25 20 45
	APRIL	24 10 2	24 4 58
	MAY .	23 22 46	23 13 54
	JUNE .	22 11 30	22 0 29
	JULY .	22 0 14	21 13 28
	○	5 18 36	5 20 11
	AUG. .	20 12 58	20 4 56
	SEPT. .	19 1 42	18 22 20
	OCT. .	18 14 26	18 16 38
	NOV. .	17 3 10	17 10 30
	DEC. .	16 15 54	17 2 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 11. B. March. *d. h. m.* 23 11 32	JAN. .	15 4 39	15 16 45
	○	29 23 1	29 17 46
	FEB. .	13 17 23	14 4 14
	MAR. .	15 6 7	15 13 32
	APRIL	13 18 51	13 21 17
	MAY .	13 7 35	13 4 24
	JUNE .	11 20 19	11 11 54
	JULY .	11 9 8	10 20 54
	○	26 3 25	26 9 51
	AUG. .	9 21 47	9 8 22
	SEPT. .	8 10 31	7 22 50
	OCT. .	7 23 15	7 16 3
	NOV. .	6 11 59	6 11 4
	DEC. .	6 0 43	6 6 23
10. A. 23 17 21	JAN. .	4 13 28	5 0 21
	FEB. .	3 2 11	3 15 45
	MAR. .	4 14 55	5 4 12
	APRIL	3 3 39	3 13 54
	MAY .	2 16 23	2 21 37
	JUNE .	1 5 7	1 4 19
		30 17 51	30 11 9
	JULY .	30 6 35	29 19 12
	AUG. .	28 19 19	28 5 28
	SEPT. .	27 8 3	26 18 41
	OCT. .	26 20 47	26 10 55
	NOV. .	25 9 31	25 5 31
	○	10 3 53	10 5 27
	DEC. .	24 22 15	25 1 4
9. G.F. 22 23 10	JAN. .	23 10 59	23 19 54
	FEB. .	21 23 44	22 12 34
	MAR. .	22 12 28	23 2 15
	APRIL	21 1 12	21 12 56
	MAY .	20 13 56	20 21 19
	○	4 8 18	4 2 42
	JUNE .	19 2 40	19 4 23
	JULY .	18 15 24	18 11 18
	AUG. .	17 4 8	16 19 7
	SEPT. .	15 16 52	15 4 42
	OCT. .	15 5 36	14 16 47
	NOV. .	13 18 20	13 7 34
	○	28 12 42	28 20 17
	DEC. .	13 7 4	13 0 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 8.		d. h. m.	d. h. m.
E. March. d. h. m. 23 4 58	JAN.	11 19 49	11 19 20
	FEB.	10 8 38	10 13 59
	MAR.	11 21 17	12 7 14
	APRIL	10 10 1	10 22 6
	MAY	9 22 45	10 10 13
	○	24 17 7	24 7 56
	JUNE	8 11 29	8 19 57
	JULY	8 0 13	8 4 10
	AUG.	6 12 57	6 11 53
	SEPT.	5 1 41	4 20 7
	OCT.	4 14 25	4 5 37
	NOV.	3 3 9	2 16 53
	○	17 21 31	18 6 5
	DEC.	2 15 53	2 6 10
		...	31 21 22
7. D. 23 10 47	JAN.	1 4 37	...
		30 17 21	30 14 0
	FEB.	...	...
	MAR.	1 6 5	1 7 18
		30 18 49	31 0 15
	APRIL	29 7 33	29 15 52
	MAY	28 20 17	29 5 34
	JUNE	27 9 1	27 17 11
	JULY	26 21 45	27 3 13
	AUG.	25 10 29	25 12 27
	SEPT.	23 23 13	23 21 44
	OCT.	23 11 57	23 7 39
	NOV.	22 0 41	21 18 31
	DEC.	21 13 25	21 6 28
6. C. 23 16 36	JAN.	20 2 9	19 19 32
	FEB.	18 14 54	18 9 44
	MAR.	20 3 38	20 0 50
	○	8 22 0	4 5 50
	APRIL	18 16 22	18 16 32
	MAY	18 5 6	18 8 12
	JUNE	16 17 50	16 23 7
	JULY	16 6 34	16 12 48
	AUG.	14 19 18	15 1 11
	SEPT.	13 8 2	13 12 33
	○	28 2 24	27 14 21
	OCT.	12 20 46	12 23 27
	NOV.	11 9 30	11 10 12
	DEC.	10 22 14	10 21 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
B.C. 5.		d. h. m.	d. h. m.
B.A. March. d. h. m. 22 22 25	JAN.	9 10 59	9 7 59
	FEB.	7 23 43	7 19 9
	MAR.	8 12 27	8 6 49
	○	28 6 49	28 20 11
	APRIL	7 1 11	6 19 24
	MAY	6 13 55	6 9 9
	JUNE	5 2 39	4 23 59
	JULY	4 15 23	4 15 28
	AUG.	3 4 7	3 6 56
	SEPT.	1 16 51	1 21 46
	○	16 11 13	15 21 45
	OCT.	1 5 35	1 11 41
		30 18 19	31 0 37
	NOV.	29 7 3	29 12 36
	DEC.	28 19 47	28 23 42
4. G. 23 4 14	JAN.	27 8 31	27 10 0
	FEB.	25 21 15	25 19 40
	○	12 15 37	13 8 50
	MAR.	27 9 59	27 5 13
	APRIL	25 22 43	25 15 23
	MAY	25 11 27	25 2 55
	JUNE	24 0 11	23 16 17
	JULY	23 12 55	23 7 31
	AUG.	22 1 39	22 0 8
	○	5 20 1	5 11 44
	SEPT.	20 14 23	20 16 59
	OCT.	20 3 7	20 9 27
	NOV.	18 15 51	19 0 39
	DEC.	18 4 35	18 14 11
3. F. 23 10 3	JAN.	16 17 20	17 1 55
	FEB.	15 6 4	15 11 55
	MAR.	16 18 48	16 20 37
	APRIL	15 7 32	15 4 39
	MAY	14 20 16	14 12 54
	JUNE	13 9 0	12 22 26
	JULY	12 21 44	12 10 7
	AUG.	11 10 28	11 0 24
	SEPT.	9 23 12	9 17 4
	OCT.	9 11 56	9 11 16
	NOV.	8 0 40	8 5 44
	DEC.	7 13 24	7 23 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
B.C. 2. E. March. *d. h. m.* 23 15 51	JAN.	6 2 9	6 14 19
	○	20 20 31	20 14 8
	FEB.	4 14 53	5 2 59
	MAR.	6 8 37	6 13 11
	APRIL	4 16 21	4 21 27
	MAY	4 5 5	4 4 39
	JUNE	2 17 49	2 11 42
	JULY ○	2 6 33	1 19 47
		17 0 55	17 7 54
		31 19 17	31 5 56
	AUG.	30 8 1	29 18 56
	SEPT.	28 20 45	28 11 6
	OCT.	28 9 29	28 5 19
	NOV.	26 22 13	27 0 48
	DEC.	26 10 57	26 19 39
1. D.C. 22 21 40	○	10 5 19	10 0 14
	JAN.	24 23 41	25 12 26
	FEB.	23 12 25	24 2 19
	MAR.	24 1 9	24 13 14
	APRIL	22 13 53	22 21 44
	MAY	22 2 37	22 4 46
	JUNE	20 15 21	20 11 24
	○	5 9 43	5 12 45
	JULY	20 4 5	19 18 45
	AUG.	18 16 49	18 3 52
	SEPT.	17 5 33	16 15 37
	OCT.	16 13 17	16 6 26
	NOV.	15 7 1	14 23 59
	DEC.	14 19 45	14 19 14
	○	29 14 7	29 15 17
A.D. 1. B. 23 3 29	JAN.	13 8 30	13 14 35
	FEB.	11 21 14	12 8 25
	MAR.	13 9 58	13 23 32
	APRIL	11 22 42	12 11 37
	MAY	11 11 26	11 21 1
	JUNE	10 0 10	10 4 39
	○	24 18 32	24 13 24
	JULY	9 12 54	9 11 36
	AUG.	8 1 38	7 18 56
	SEPT.	6 14 22	6 3 40
	OCT.	6 3 6	5 14 33
	NOV.	4 15 50	4 4 1
	DEC.	4 4 34	3 20 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 2. A. March. *d. h. m.* 23 9 18	JAN.	2 17 18	2 13 54
	FEB.	1 6 2	1 8 32
	MAR.	2 18 46	3 2 28
	APRIL	1 7 30	1 18 30
		30 20 14	1 7 58
	○	15 14 36	15 6 11
	MAY	30 8 58	30 18 53
	JUNE	28 21 42	29 3 51
	JULY	28 10 26	28 11 51
	AUG.	26 23 10	26 19 54
	SEPT.	25 11 54	25 4 52
	OCT.	25 0 38	24 15 20
	○	8 19 0	9 2 1
	NOV.	28 13 22	28 3 37
	DEC.	28 2 6	22 17 45
3. G. 23 15 7	JAN.	21 14 50	21 9 31
	FEB.	20 3 35	20 2 21
	MAR.	21 16 19	21 19 22
	APRIL	20 5 8	20 11 37
	○	4 23 25	4 20 19
	MAY	19 17 47	20 2 19
	JUNE	18 6 31	18 15 3
	JULY	17 19 15	18 1 59
	AUG.	16 7 59	16 11 46
	SEPT.	14 20 43	14 21 10
	OCT.	14 9 27	14 6 55
	○	29 3 49	29 2 59
	NOV.	12 22 11	12 17 24
	DEC.	12 10 55	12 4 47
4. F.E. 22 20 56	JAN.	10 23 40	10 17 9
	FEB.	9 12 24	9 6 30
	MAR.	10 1 8	9 20 52
	APRIL	8 13 52	8 12 4
	○	23 8 14	23 13 27
	MAY	8 2 36	8 3 40
	JUNE	6 15 20	6 19 0
	JULY	6 4 4	6 9 30
	AUG.	4 16 48	4 22 45
	SEPT.	3 5 32	3 10 53
	OCT.	2 18 16	2 22 14
	○	17 12 38	17 2 43
	NOV.	1 7 0	1 9 13
		30 19 44	30 20 5
	DEC.	30 8 28	30 6 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 5		d. h. m.	d. h. m.
D. March. d. h. m. 28 2 44	JAN. .	28 21 18	28 17 47
	FEB. .	27 9 57	27 4 53
	MAR. .	28 22 41	28 16 39
	APRIL	27 11 25	27 5 38
	MAY .	27 0 9	26 19 42
	JUNE .	25 12 58	25 10 55
	JULY .	25 1 37	25 2 37
	AUG. .	23 14 21	23 18 4
	SEPT. .	22 8 5	22 8 47
	OCT. .	21 15 49	21 22 29
	NOV. .	20 4 33	20 11 8
	DEC. .	19 17 17	19 22 44
6. C. 28 8 33	JAN. .	18 6 1	18 9 19
	FEB. .	16 18 45	16 19 4
	○	3 13 7	3 23 38
	MAR. .	18 7 29	18 4 21
	APRIL	16 20 13	16 13 52
	MAY .	16 8 57	16 0 25
	JUNE .	14 21 41	14 12 42
	JULY .	14 10 25	14 3 2
	AUG. .	12 23 9	12 19 6
	○	27 17 31	27 11 26
	SEPT. .	11 11 53	11 12 10
	OCT. .	11 0 37	11 5 16
	NOV. .	9 13 21	9 21 25
	DEC. .	9 2 5	9 11 58
7. B. 28 14 22	JAN. .	7 14 50	8 0 38
	FEB. .	6 3 34	6 11 22
	○	20 21 56	20 23 42
	MAR. .	7 16 18	7 20 29
	APRIL	6 5 2	6 4 33
	MAY .	5 17 46	5 12 24
	JUNE .	4 6 30	3 21 1
	JULY .	3 19 14	3 7 26
	AUG. ○	2 7 58	1 20 24
		17 2 20	17 4 0
		31 20 42	31 12 3
	SEPT. .	30 9 26	30 5 48
	OCT. .	29 22 10	30 0 29
	NOV. .	28 10 54	28 18 43
	DEC. .	27 23 38	28 11 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 8.		d. h. m.	d. h. m.
A.G. March. d. h. m. 22 20 11	JAN. .	26 12 22	27 1 9
	○	10 6 44	10 1 36
	FEB. .	25 1 6	25 12 27
	MAR. .	25 13 50	25 21 27
	APRIL	24 2 34	24 4 56
	MAY .	23 15 18	23 11 50
	JUNE .	22 4 2	21 19 13
	JULY .	21 16 46	21 4 12
	○	5 11 8	5 17 13
	AUG. .	20 5 30	19 15 44
	SEPT. .	18 18 14	18 6 20
	OCT. .	18 6 58	17 23 45
	NOV. .	16 19 42	16 18 58
	DEC. .	16 8 26	16 14 23
9. F. 28 2 0	JAN. .	14 21 11	15 8 23
	FEB. .	13 9 55	13 23 45
	MAR. .	14 22 39	15 12 1
	APRIL	13 11 23	13 21 32
	MAY .	13 0 7	13 5 7
	JUNE .	11 12·51	11 11 47
	JULY .	11 1 35	10 18 41
	AUG. .	9 14 19	9 2 52
	SEPT. .	8 3 3	7 13 19
	OCT. .	7 15 47	7 2 40
	NOV. .	6 4 31	5 18 57
	DEC. .	5 17 15	5 13 30
	○	20 11 37	20 14 24
10. E. 28 7 49	JAN. .	4 5 59	4 8 56
	FEB. .	2 18 43	3 3 36
	MAR. .	4 7 27	4 20 4
	APRIL	2 20 11	3 9 36
	MAY .	2 8 55	2 20 14
		31 21 39	1 4 39
	○	15 16 1	15 9 14
	JUNE .	30 10 23	30 11 52
	JULY .	29 23 7	29 19 0
	AUG. .	28 11 51	28 3 6
	SEPT. .	27 0 35	26 12 57
	OCT. .	26 13 19	26 1 10
	NOV. .	25 2 3	24 15 54
	○	9 20 25	10 5 5
	DEC. .	24 14 47	24 8 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 11.		d. h. m.	d. h. m.
D. March. d. h. m. 23 13 37	JAN.	23 8 32	23 8 6
	FEB.	21 16 16	21 21 20
	MAR.	23 5 0	23 14 18
	APRIL	21 17 44	22 5 8
	MAY	21 6 28	21 17 13
	○	5 0 50	4 14 52
	JUNE	19 19 12	20 3 9
	JULY	19 7 56	19 11 40
	AUG.	17 20 40	17 19 47
	SEPT.	16 9 24	16 4 24
	OCT.	15 22 8	15 14 12
	NOV.	14 10 52	14 1 36
	○	29 5 14	29 14 26
	DEC.	13 23 36	13 14 46
12. C.B. 22 19 26	JAN.	12 12 21	12 5 36
	FEB.	11 1 5	10 21 41
	MAR.	11 13 49	11 14 27
	APRIL	10 2 33	10 7 1
	MAY	9 15 17	9 22 31
	JUNE	8 4 1	8 12 17
	JULY	7 16 45	8 0 16
	AUG.	6 5 29	6 10 46
	SEPT.	4 18 13	4 20 31
	OCT.	4 6 57	4 6 15
	NOV.	2 19 41	2 16 29
	DEC.	2 8 25	2 3 26
		31 21 10	31 15 13
13. A. 23 1 15	JAN.	30 9 54	30 3 49
	FEB.	28 22 38	28 17 23
	MAR.	30 11 22	30 7 54
	○	14 5 44	14 13 33
	APRIL	29 0 6	28 23 9
	MAY	28 12 50	28 14 38
	JUNE	27 1 34	27 5 42
	JULY	26 14 18	26 19 48
	AUG.	25 3 2	25 8 44
	SEPT.	23 15 46	23 20 43
	○	8 10 8	7 22 10
	OCT.	23 4 30	23 8 5
	NOV.	21 17 14	21 19 8
	DEC.	21 5 58	21 5 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 14.		d. h. m.	d. h. m.
G. March. d. h. m. 23 7 3	JAN.	19 18 42	19 16 40
	FEB.	18 7 26	18 3 21
	MAR.	19 20 10	19 14 27
	○	3 14 32	4 3 42
	APRIL	18 8 54	18 2 26
	MAY	17 21 38	17 15 46
	JUNE	16 10 22	16 6 25
	JULY	15 23 6	15 22 3
	AUG.	14 11 50	14 13 53
	SEPT.	13 0 34	13 5 19
	○	27 18 56	27 5 52
	OCT.	12 13 18	12 19 52
	NOV.	11 2 2	11 9 16
	DEC.	10 14 46	10 21 30
15. F. 23 12 52	JAN.	9 3 31	9 8 33
	FEB.	7 16 15	7 18 33
	MAR.	9 4 59	9 3 46
	○	23 23 21	24 11 1
	APRIL	7 17 43	7 12 50
	MAY	7 6 27	6 22 32
	JUNE	5 19 11	5 9 43
	JULY	5 7 55	4 22 58
	AUG.	3 20 39	3 14 17
	SEPT.	2 9 23	2 7 9
	○	17 3 45	16 20 0
	OCT.	1 22 7	2 0 36
		31 10 51	31 17 34
	NOV.	29 23 35	30 9 11
	DEC.	29 12 19	29 22 53
16. E.D. 22 18 41	JAN.	28 1 4	28 10 31
	FEB.	26 13 48	26 20 14
	MAR.	27 2 32	27 4 34
	APRIL	25 15 16	25 12 12
	MAY	25 4 0	24 20 9
	JUNE	23 16 44	23 5 29
	JULY	23 5 28	22 17 5
	AUG.	21 18 12	21 7 29
	SEPT.	20 6 56	20 0 25
	OCT.	19 19 40	19 18 59
	NOV.	18 8 24	18 13 47
	DEC.	17 21 8	18 7 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 17. C. March. d. h. m. 23 0 30	JAN.	16 9 52	16 22 41
	○	31 4 14	30 22 9
	FEB.	14 22 36	15 11 13
	MAR.	16 11 20	16 21 10
	APRIL	15 0 4	15 5 11
	MAY	14 12 48	14 12 9
	JUNE	13 1 32	12 19 3
	JULY	12 14 16	12 8 6
	○	27 8 38	27 15 3
	AUG.	11 8 0	10 13 19
	SEPT.	9 15 44	9 2 26
	OCT.	9 4 28	8 18 36
	NOV.	7 17 12	7 13 11
	DEC.	7 5 56	7 8 46
18. B. 23 6 19	JAN.	5 18 41	6 3 40
	○	20 13 3	20 8 50
	FEB.	4 7 25	4 20 24
	MAR.	5 20 9	6 10 9
	APRIL	4 8 53	4 20 53
	MAY	3 21 37	4 5 15
	JUNE	2 10 21	2 12 13
	JULY ○	1 23 5	1 18 54
		16 17 27	16 19 27
		31 11 49	31 2 22
	AUG.	30 0 33	29 11 42
	SEPT.	28 13 17	27 23 33
	OCT.	28 2 1	27 14 32
	NOV.	26 14 45	26 8 4
	DEC.	26 3 29	26 3 11
19. A. 23 12 8	○	9 21 51	10 0 8
	JAN.	24 16 13	24 22 19
	FEB.	23 4 57	23 15 55
	MAR.	24 17 41	25 6 52
	APRIL	23 6 25	23 18 53
	MAY	22 19 9	23 4 18
	JUNE	21 7 53	21 12 1
	○	6 2 15	5 19 56
	JULY	20 20 37	20 19 11
	AUG.	19 9 21	19 2 51
	SEPT.	17 22 5	17 11 53
	OCT.	17 10 49	16 22 58
	NOV.	15 23 33	15 12 27
	DEC.	15 12 17	15 4 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 20. G.F. March. d. h. m. 22 17 56	JAN.	14 1 2	13 21 51
	FEB.	12 13 46	12 16 1
	MAR.	13 2 30	13 9 36
	APRIL	11 15 14	12 1 27
	MAY	11 3 58	11 14 53
	JUNE	9 16 42	10 1 56
	JULY	9 5 26	9 11 13
	AUG.	7 18 10	7 19 36
	SEPT.	6 6 54	6 4 4
	OCT.	5 19 38	5 13 25
	NOV.	4 8 22	4 0 5
	○	19 2 44	19 10 15
	DEC.	3 21 6	3 12 19
21. E. 22 23 45	JAN.	2 9 51	2 2 11
		31 22 35	31 17 27
	FEB.	...	...
	MAR.	2 11 19	2 9 42
	APRIL	1 0 3	1 2 15
		30 12 47	30 18 14
	○	15 7 9	15 3 46
	MAY	30 1 31	30 8 57
	JUNE	23 14 15	23 21 57
	JULY	23 2 59	23 9 19
	AUG.	26 15 43	26 19 37
	SEPT.	25 4 27	25 5 32
	OCT.	24 17 11	24 15 41
	○	8 11 33	8 10 52
	NOV.	23 5 55	23 2 20
	DEC.	22 18 39	22 13 38
22. D. 23 5 34	JAN.	21 7 23	21 1 37
	FEB.	19 20 7	19 14 24
	MAR.	21 8 51	21 4 9
	APRIL	19 21 35	19 18 50
	○	4 15 57	4 20 59
	MAY	19 10 19	19 10 8
	JUNE	17 23 3	18 1 30
	JULY	17 11 47	17 16 16
	AUG.	16 0 31	16 6 3
	SEPT.	14 13 15	14 18 47
	OCT.	14 1 59	14 6 42
	○	28 20 21	28 10 33
	NOV.	12 14 43	12 18 4
	DEC.	12 3 27	12 5 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 23. C. March. d. h. m. 23 11 28		d. h. m.	d. h. m.
	JAN.	10 16 12	10 15 44
	FEB.	9 4 56	9 2 12
	MAR.	10 17 40	10 12 45
	APRIL	9 6 24	8 23 56
	MAY	8 19 8	8 12 19
	JUNE	7 7 52	7 2 18
	JULY	6 20 36	6 17 26
	AUG.	5 9 20	5 9 28
	SEPT.	3 22 4	4 1 22
	OCT.	3 10 48	3 16 43
	NOV.	1 23 32	2 6 58
	DEC.	1 12 16	1 19 56
		31 1 0	31 7 35
24. B.A. 22 17 12	JAN.	29 13 45	29 18 0
	FEB.	28 2 29	28 3 22
	○	13 20 51	14 6 52
	MAR.	28 15 13	28 12 10
	APRIL	27 3 57	26 21 12
	MAY	26 16 41	26 7 22
	JUNE	25 5 25	24 19 26
	JULY	24 18 9	24 9 45
	AUG.	23 6 53	23 2 5
	○	7 1 15	6 19 37
	SEPT.	21 19 37	21 19 35
	OCT.	21 3 21	21 13 11
	NOV.	19 21 5	20 5 48
	DEC.	19 9 49	19 20 37
25. G. 22 23 1	JAN.	17 22 33	18 9 15
	FEB.	16 11 17	16 19 46
	○	3 5 39	3 6 58
	MAR.	18 0 1	18 4 32
	APRIL	16 12 45	16 12 14
	MAY	16 1 29	15 19 44
	JUNE	14 14 18	14 4 8
	JULY	14 2 57	13 14 28
	AUG.	12 15 41	12 3 23
	○	27 10 3	27 11 57
	SEPT.	11 4 25	10 19 18
	OCT.	10 17 9	10 13 21
	NOV.	9 5 53	9 8 24
	DEC.	8 18 37	9 2 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 26. F. March. d. h. m. 23 4 49		d. h. m.	d. h. m.
	JAN.	7 7 22	7 19 31
	FEB.	5 20 6	6 9 25
	○	20 14 28	20 9 20
	MAR.	7 8 50	7 20 31
	APRIL	5 21 34	6 5 16
	MAY	5 10 18	5 12 30
	JUNE	3 23 2	3 19 14
	JULY	3 11 46	3 2 34
		2 0 30	1 11 37
	AUG. ○	16 18 52	17 0 42
		31 13 14	30 23 16
	SEPT.	30 1 58	29 14 1
	OCT.	29 14 42	29 7 36
	NOV.	28 3 26	28 2 56
	DEC.	27 16 10	27 22 24
27. E. 23 10 33	JAN.	26 4 55	26 16 20
	FEB.	24 17 39	25 7 33
	MAR.	26 6 23	26 19 41
	APRIL	24 19 7	25 5 8
	MAY	24 7 51	24 12 33
	JUNE	22 20 35	22 19 15
	JULY	22 9 19	22 2 17
	AUG.	20 22 3	20 10 41
	SEPT.	19 10 47	18 21 19
	OCT.	18 23 31	18 10 47
	NOV.	17 12 15	17 3 6
	DEC.	17 0 59	16 21 32
	○	31 19 21	31 23 19
28. D.C. 22 16 27	JAN.	15 18 43	15 16 44
	FEB.	14 2 27	14 11 8
	MAR.	14 15 11	15 3 25
	APRIL	13 3 55	13 16 51
	MAY	12 16 39	13 3 27
	JUNE	11 5 23	11 11 57
	○	25 23 45	25 15 49
	JULY	10 13 7	10 19 24
	AUG.	9 6 51	9 2 50
	SEPT.	7 19 35	7 11 14
	OCT.	7 8 19	6 21 21
	NOV.	5 21 3	5 9 41
	DEC.	5 9 47	5 0 20
	○	20 4 9	20 13 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 29. B. March. d. h. m. 22 22 16		d. h. m.	d. h. m.
	JAN.	8 22 32	3 16 58
	FEB.	2 11 16	2 10 44
	MAR.	4 0 0	4 4 34
	APRIL	2 12 44	2 21 15
	MAY	2 1 28	2 11 58
		31 14 12	1 0 9
	○	15 8 34	14 21 52
	JUNE	30 2 56	30 10 21
	JULY	29 15 40	29 19 15
	AUG.	28 4 24	28 8 48
	SEPT.	26 17 8	26 12 50
	OCT.	26 5 52	25 22 56
	NOV.	24 18 36	24 10 24
	○	9 12 58	9 22 49
	DEC.	24 7 20	23 23 21
30. A. 23 4 5	JAN.	22 20 5	22 13 44
	FEB.	21 8 49	21 5 16
	MAR.	22 21 33	22 21 30
	APRIL	21 10 17	21 13 41
	MAY	20 23 1	21 5 5
	○	4 17 28	4 11 4
	JUNE	19 11 45	19 19 2
	JULY	19 0 29	19 7 23
	AUG.	17 13 13	17 18 23
	SEPT.	16 1 57	16 4 42
	OCT.	15 14 41	15 14 54
	NOV.	14 3 25	14 1 23
	DEC.	13 16 9	13 12 23
31. G. 23 9 54	JAN.	12 4 58	11 23 51
	FEB.	10 17 37	10 11 58
	MAR.	12 6 21	12 0 55
	APRIL	10 19 5	10 14 51
	○	25 13 27	25 21 7
	MAY	10 7 49	10 5 43
	JUNE	8 20 33	8 21 4
	JULY	8 9 17	8 12 18
	AUG.	6 22 1	7 2 50
	SEPT.	5 10 45	5 16 23
	OCT.	4 23 29	5 4 58
	○	19 17 51	19 6 8
	NOV.	3 12 13	3 16 48
	DEC.	3 0 57	3 4 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 32. F.E. March. d. h. m. 22 15 42		d. h. m.	d. h. m.
	JAN.	1 13 41	1 14 53
		31 2 25	31 1 16
	FEB.	29 15 10	29 11 23
	MAR.	30 3 54	29 21 58
	○	13 22 16	14 11 4
	APRIL	28 16 33	28 9 27
	MAY	28 5 22	27 22 24
	JUNE	26 18 6	26 12 56
	JULY	26 6 50	26 4 43
	AUG.	24 19 34	24 21 0
	SEPT.	23 8 18	23 13 1
	○	8 2 40	7 14 10
	OCT.	22 21 2	23 4 8
	NOV.	21 9 46	21 17 58
	DEC.	20 22 30	21 6 21
33. D. 22 21 31	JAN.	19 11 14	19 17 19
	FEB.	17 23 58	18 2 58
	MAR.	19 12 42	19 11 45
	○	3 7 4	3 18 4
	APRIL	18 1 26	17 20 20
	MAY	17 14 10	17 5 37
	JUNE	16 2 54	15 16 32
	JULY	15 15 38	15 5 41
	AUG.	14 4 22	13 21 9
	SEPT.	12 17 6	12 14 22
	○	27 11 28	27 4 25
	OCT.	12 5 50	12 8 18
	NOV.	10 18 34	11 1 46
	DEC.	10 7 18	10 17 43
34. C. 23 3 20	JAN.	8 20 3	9 7 30
	FEB.	7 8 47	7 18 59
	MAR.	8 21 31	9 4 24
	APRIL	7 10 15	7 12 22
	MAY	6 22 59	6 19 41
	JUNE	5 11 43	5 3 23
	JULY	5 0 27	4 12 35
	AUG.	3 13 11	3 0 12
	SEPT.	2 1 55	1 14 42
	OCT.	1 14 39	1 7 53
		31 3 23	31 2 47
	NOV.	29 16 7	29 21 52
	DEC.	29 4 51	29 15 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 35. B. March. d. h. m. 28 9 9	JAN.	27 17 36	28 6 56
	○	11 11 58	11 6 8
	FEB.	26 6 20	26 19 19
	MAR.	27 19 4	28 5 8
	APRIL	26 7 48	26 12 48
	MAY	25 20 32	25 19 36
	JUNE	24 9 16	24 2 28
	JULY	23 22 0	23 10 33
	○	7 16 22	7 22 17
	AUG.	22 10 44	21 20 52
	SEPT.	20 23 28	20 10 8
	OCT.	20 12 12	20 2 28
	NOV.	19 0 56	18 21 8
	DEC.	18 13 40	18 16 45
36. A.G. 22 14 58	JAN.	17 2 24	17 11 35
	○	31 20 46	31 17 20
	FEB.	15 15 8	16 4 11
	MAR.	16 8 52	16 17 47
	APRIL	14 16 36	15 4 22
	MAY	14 5 20	14 12 39
	JUNE	12 18 4	12 19 38
	JULY	12 6 48	12 2 26
	○	27 1 10	27 2 10
	AUG.	10 19 32	10 10 8
	SEPT.	9 8 16	8 19 39
	OCT.	8 21 0	8 7 46
	NOV.	7 9 44	6 22 43
	DEC.	6 22 28	6 16 10
37. F. 22 20 47	JAN.	5 11 18	5 11 4
	○	20 5 35	20 8 55
	FEB.	3 23 57	4 5 55
	MAR.	5 12 41	5 23 16
	APRIL	4 1 25	4 14 5
	MAY	3 14 9	4 2 2
	JUNE	2 2 53	2 11 32
	JULY ○	1 15 37	1 19 27
		16 9 59	16 2 35
		31 4 21	31 2 55
	AUG.	29 19 5	29 10 54
	SEPT.	28 5 49	27 20 15
	OCT.	27 18 33	27 7 31
	NOV.	26 7 17	25 21 0
	DEC.	25 20 1	25 12 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 38. E. March. d. h. m. 28 2 35	JAN.	24 8 46	24 5 40
	FEB.	22 21 30	22 23 24
	MAR.	24 10 14	24 16 36
	APRIL	22 22 58	23 8 16
	MAY	22 11 42	22 21 44
	JUNE	21 0 26	21 9 0
	JULY	20 13 10	20 18 38
	AUG.	19 1 54	19 3 28
	SEPT.	17 14 38	17 12 23
	OCT.	17 3 22	16 22 4
	NOV.	15 16 6	15 8 55
	○	30 10 28	30 18 29
	DEC.	15 4 50	14 21 4
39. D. 23 8 24	JAN.	13 17 34	13 10 33
	FEB.	12 6 18	12 1 15
	MAR.	13 19 2	13 16 54
	APRIL	12 7 46	12 9 0
	MAY	11 20 30	12 0 47
	○	26 14 52	26 11 10
	JUNE	10 9 14	10 15 32
	JULY	9 21 58	10 4 50
	AUG.	8 10 42	8 16 43
	SEPT.	6 23 26	7 3 34
	OCT.	6 12 10	6 14 0
	NOV.	5 0 54	5 0 30
	○	19 19 16	19 18 47
	DEC.	4 13 38	4 11 18
40. C.B. 22 14 13	JAN.	3 2 22	2 22 25
	FEB.	1 15 7	1 10 1
	MAR.	2 3 51	1 22 12
		31 16 35	31 11 21
	APRIL	30 5 19	30 1 32
	○	14 23 41	15 4 28
	MAY	29 18 3	29 16 35
	JUNE	28 6 47	28 8 0
	JULY	27 19 31	27 23 8
	AUG.	26 8 15	26 13 28
	SEPT.	24 20 59	25 2 49
	OCT.	24 9 43	24 15 15
	○	8 4 5	7 18 43
	NOV.	22 22 27	23 2 58
	DEC.	22 11 11	22 14 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 41.		d. h. m.	d. h. m.
A. March. d. h. m. 22 20 2	JAN.	20 23 56	21 0 30
	FEB.	19 12 40	19 10 31
	MAR.	21 1 24	20 20 30
	APRIL	19 14 8	19 7 9
	MAY	19 2 52	18 19 6
	JUNE	17 15 36	17 8 45
	JULY	17 4 20	17 0 1
	AUG.	15 17 4	15 16 18
	SEPT.	14 5 48	14 8 18
	OCT.	13 18 32	14 0 45
	NOV.	12 7 16	12 15 29
	DEC.	11 20 0	12 4 44
42. G. 23 1 51	JAN.	10 8 44	10 16 23
	FEB.	8 21 28	9 2 32
	MAR.	10 10 12	10 11 30
	○	25 4 34	25 13 54
	APRIL	8 22 56	8 19 50
	MAY	8 11 40	8 4 27
	JUNE	7 0 24	6 14 17
	JULY	6 13 8	6 2 13
	AUG.	5 1 52	4 16 36
	SEPT.	3 14 36	3 9 10
	○	18 8 58	18 3 54
	OCT.	3 3 20	3 3 7
	NOV.	1 16 4	1 21 12
	DEC.	1 4 48	1 14 11
		30 17 32	31 5 10
43. F. 23 7 40	JAN.	29 6 16	29 17 45
	FEB.	27 19 0	28 4 2
	○	14 13 22	14 14 5
	MAR.	29 7 45	29 12 28
	APRIL	27 20 29	27 19 49
	MAY	27 9 13	27 3 5
	JUNE	25 21 57	25 11 20
	JULY	25 10 41	24 21 33
	AUG.	23 23 25	23 10 44
	○	7 17 47	7 20 1
	SEPT.	22 12 9	22 2 45
	OCT.	22 0 58	21 21 5
	NOV.	20 13 37	20 16 23
	DEC.	20 2 21	20 11 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 44. E.D. March. d. h. m. 22 13 28		d. h. m.	d. h. m.
	JAN.	18 15 5	19 8 42
	FEB.	17 3 49	17 17 31
	○	2 22 11	2 16 57
	MAR.	17 16 33	18 4 24
	APRIL	16 5 17	16 12 55
	MAY	15 18 1	15 20 0
	JUNE	14 6 45	14 2 39
	JULY	13 19 29	13 10 1
	AUG.	12 8 13	11 19 9
	○	27 2 35	27 8 16
	SEPT.	10 20 57	10 6 58
	OCT.	10 9 41	9 21 52
	NOV.	8 22 25	8 15 32
	DEC.	8 11 9	8 10 54
45. C. 22 19 17	JAN.	6 23 54	7 6 17
	FEB.	5 12 38	6 0 6
	MAR.	7 1 22	7 15 11
	APRIL	5 14 6	6 3 9
	MAY	5 2 50	5 12 27
	JUNE	3 15 31	3 19 57
	JULY	3 4 18	3 2 45
	AUG.	1 17 2	1 9 58
		31 5 46	30 18 37
	SEPT.	29 18 30	29 5 28
	OCT.	29 7 14	28 19 2
	NOV.	27 19 58	27 11 18
	DEC.	27 8 42	27 5 30
46. B. 23 1 6	○	11 3 4	11 3 9
	JAN.	25 21 26	26 0 24
	FEB.	24 10 10	24 18 31
	MAR.	25 22 54	26 10 35
	APRIL	24 11 38	24 23 56
	MAY	21 0 22	24 10 36
	JUNE	22 13 6	22 19 16
	○	7 7 28	6 22 28
	JULY	22 1 50	22 2 59
	AUG.	20 14 34	20 10 46
	SEPT.	19 3 18	18 19 31
	OCT.	18 16 2	18 5 54
	NOV.	17 4 46	16 18 17
	DEC.	16 17 30	16 8 44
	○	31 11 52	31 22 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 47.		d. h. m.	d. h. m.
A. March. d. h. m. 23 6 55	JAN.	15 6 15	15 0 58
	FEB.	18 18 59	18 18 16
	MAR.	15 7 43	15 11 39
	APRIL	18 20 27	14 4 8
	MAY	18 9 11	18 18 37
	JUNE	11 21 55	12 7 3
	○	26 16 17	26 4 54
	JULY	11 10 39	11 17 36
	AUG.	9 28 23	10 2 56
	SEPT.	8 12 7	8 11 56
	OCT.	8 0 51	7 21 22
	NOV.	6 18 35	6 7 44
	DEC.	6 2 19	5 19 13
	○	20 20 41	21 7 7
48. G.F. 22 12 44	JAN.	4 15 4	4 7 56
	FEB.	3 3 48	2 21 47
	MAR.	3 16 32	3 12 42
	APRIL	2 5 16	2 4 24
	MAY	1 18 0	1 20 16
		31 6 44	31 11 34
	○	15 1 6	14 18 25
	JUNE	29 19 28	30 1 45
	JULY	29 8 12	29 14 32
	AUG.	27 20 56	28 2 8
	SEPT.	26 9 40	26 12 58
	OCT.	25 22 24	25 23 37
	NOV.	24 11 8	24 10 21
	DEC.	23 23 52	23 21 16
49. E. 22 18 33	JAN.	22 12 37	22 8 27
	FEB.	21 1 21	20 20 2
	MAR.	22 14 5	22 8 21
	APRIL	21 2 49	20 21 44
	○	5 21 11	6 4 37
	MAY	20 15 33	20 12 14
	JUNE	19 4 17	19 3 31
	JULY	18 17 1	18 19 0
	AUG.	17 5 45	17 9 59
	SEPT.	15 18 29	16 0 9
	OCT.	15 7 13	15 13 20
	○	30 1 35	29 14 15
	NOV.	13 19 57	14 1 36
	DEC.	13 8 41	13 13 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 50.		d. h. m.	d. h. m.
D. March. d. h. m. 23 0 21	JAN.	11 21 25	11 23 43
	FEB.	10 10 9	10 9 45
	MAR.	11 22 53	11 19 26
	APRIL	10 11 37	10 5 24
	○	25 5 59	25 18 20
	MAY	10 0 21	9 16 23
	JUNE	8 13 5	8 5 0
	JULY	8 1 49	7 19 30
	AUG.	6 14 33	6 11 28
	SEPT.	5 3 17	5 4 12
	OCT.	4 16 1	4 20 47
	○	19 10 23	18 22 36
	NOV.	3 4 45	3 12 27
	DEC.	2 17 29	3 2 39
51. C. 23 6 10	JAN.	1 6 13	1 15 9
		30 18 57	31 1 56
	FEB.	...	...
	MAR.	1 7 42	1 11 15
		30 20 26	30 19 36
	○	14 14 43	15 0 59
	APRIL	29 9 10	29 3 46
	MAY	28 21 54	28 12 42
	JUNE	27 10 38	26 23 25
	JULY	26 23 22	26 12 32
	AUG.	25 12 6	25 4 11
	SEPT.	24 0 50	23 21 45
	○	8 19 12	8 12 57
	OCT.	23 13 34	23 16 8
	NOV.	22 2 18	22 10 0
	DEC.	21 15 2	22 2 12
52. B.A. 22 11 59	JAN.	20 3 46	20 16 1
	FEB.	18 16 31	19 3 18
	MAR.	19 5 15	19 12 25
	APRIL	17 17 59	17 20 4
	MAY	17 6 43	17 3 8
	JUNE	15 19 27	15 10 40
	JULY	15 8 11	14 19 47
	AUG.	13 20 55	13 7 27
	SEPT.	12 9 39	11 22 8
	OCT.	11 22 23	11 15 32
	NOV.	10 11 7	10 10 40
	DEC.	9 23 51	10 5 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 53. G. March. d. h. m. 22 17 48	JAN.	8 12 35	8 23 46
	FEB.	7 1 19	7 15 1
	○	21 19 41	21 14 0
	MAR.	8 14 8	9 8 15
	APRIL	7 2 47	7 12 45
	MAY	6 15 31	6 20 21
	JUNE	5 4 15	5 3 2
	JULY	4 16 59	4 9 55
	AUG.	3 5 43	2 18 5
	○	18 0 5	18 5 36
	SEPT.	1 18 27	1 4 33
	OCT.	1 7 11	30 17 59
	○	30 19 55	30 10 25
	NOV.	29 8 39	29 5 6
	DEC.	28 21 23	29 0 39
54. F. 22 23 37	JAN.	27 10 8	27 19 22
	○	11 4 30	11 1 44
	FEB.	25 22 52	26 11 50
	MAR.	27 11 36	28 1 17
	APRIL	26 0 20	26 11 47
	MAY	25 13 4	25 20 3
	JUNE	24 1 48	24 3 7
	JULY	23 14 32	23 10 6
	○	7 8 54	7 8 59
	AUG.	22 3 16	21 18 0
	SEPT.	20 16 0	20 3 48
	OCT.	20 4 44	19 16 4
	NOV.	18 17 28	18 7 2
	DEC.	18 6 12	18 0 16
55. E. 23 5 26	JAN.	16 18 57	16 18 52
	○	31 13 19	31 17 33
	FEB.	15 7 41	15 13 24
	MAR.	16 20 25	17 6 29
	APRIL	15 9 9	15 21 8
	MAY	14 21 53	15 9 7
	JUNE	13 10 37	13 18 45
	JULY	12 23 21	13 2 57
	○	27 17 43	27 9 20
	AUG.	11 12 5	11 10 44
	SEPT.	10 0 49	9 19 6
	OCT.	9 13 33	9 4 45
	NOV.	8 2 17	7 16 10
	DEC.	7 15 1	7 5 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 56. D.C. March. d. h. m. 22 11 14	JAN.	6 3 45	5 20 47
	FEB.	4 16 29	4 13 25
	MAR.	5 5 13	5 6 33
	APRIL	3 17 57	3 23 27
	MAY	3 6 41	3 14 57
	JUNE	1 19 25	2 4 30
	JULY	1 8 9	1 16 4
	○	30 20 53	31 2 6
	AUG.	29 9 37	29 11 25
	SEPT.	27 22 21	27 20 48
	OCT.	27 11 5	27 6 49
	NOV.	25 23 49	25 17 47
	○	10 18 11	11 2 40
	DEC.	25 12 33	25 5 47
57. B. 22 17 3	JAN.	24 1 17	23 18 50
	FEB.	22 14 1	22 8 58
	MAR.	24 2 46	24 0 2
	APRIL	22 15 30	22 15 40
	MAY	22 4 14	22 7 16
	○	5 22 36	5 18 35
	JUNE	20 16 58	20 22 8
	JULY	20 5 42	20 11 48
	AUG.	18 18 26	19 0 14
	SEPT.	17 7 10	17 11 40
	OCT.	16 19 54	16 22 37
	NOV.	15 8 38	15 9 25
	○	30 3 0	30 2 45
	DEC.	14 21 22	14 20 16
58. A. 22 22 52	JAN.	13 10 6	13 7 11
	FEB.	11 22 50	11 18 16
	MAR.	13 11 34	13 5 53
	APRIL	12 0 18	11 18 25
	MAY	11 13 2	11 8 10
	○	26 7 24	26 11 54
	JUNE	10 1 46	9 23 2
	JULY	9 14 30	9 14 33
	AUG.	8 3 14	8 6 4
	SEPT.	6 15 58	6 20 57
	OCT.	6 4 42	6 10 56
	NOV.	4 17 26	4 23 53
	○	19 11 48	19 2 51
	DEC.	4 6 10	4 11 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 59. G. March. d. h. m. 23 4 41	JAN.	2 18 55	2 22 55
	FEB.	1 7 39	1 9 5
	MAR.	2 20 28	2 18 40
	APRIL	1 9 7	1 4 9
		30 21 51	30 14 17
	MAY	30 10 35	30 1 51
	JUNE	28 23 19	28 15 20
	JULY	28 12 3	28 6 41
	AUG.	27 0 47	26 23 20
	SEPT.	25 13 31	25 16 21
	OCT.	25 2 15	25 8 51
	NOV.	23 14 59	24 0 2
	DEC.	23 3 43	23 13 30
60. F.E. 22 10 30	JAN.	21 16 28	22 1 5
	FEB.	20 5 12	20 10 56
	MAR.	20 17 56	20 19 29
	○	4 12 18	4 20 50
	APRIL	19 6 40	19 3 26
	MAY	18 19 24	18 11 42
	JUNE	17 8 8	16 21 17
	JULY	16 20 52	16 9 7
	AUG.	15 9 36	14 23 35
	SEPT.	13 22 20	13 16 26
	○	28 16 42	28 12 22
	OCT.	13 11 4	13 10 46
	NOV.	11 23 48	12 5 15
	DEC.	11 12 32	11 22 33
61. D. 22 16 19	JAN.	10 1 16	10 13 38
	FEB.	8 14 0	9 2 7
	MAR.	10 2 44	10 12 8
	○	21 21 6	24 21 6
	APRIL	8 15 28	8 20 15
	MAY	8 4 12	8 3 21
	JUNE	6 16 56	6 10 26
	JULY	6 5 40	5 18 36
	AUG.	4 18 24	4 4 54
	SEPT.	3 7 8	2 18 7
	○	18 1 30	18 4 13
	OCT.	2 19 52	2 10 20
	NOV.	1 8 36	1 4 53
		30 21 20	1 0 22
	DEC.	30 10 4	30 19 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 62. C. March. d. h. m. 22 22 7	JAN.	28 22 49	29 11 47
	FEB.	27 11 33	28 1 27
	○	14 5 55	14 0 28
	MAR.	29 0 17	29 12 9
	APRIL	27 13 1	27 20 30
	MAY	27 1 45	27 3 28
	JUNE	25 14 29	25 10 7
	JULY	25 3 13	24 17 34
	AUG.	23 15 57	23 2 51
	○	7 10 19	7 15 57
	SEPT.	22 4 41	21 14 50
	OCT.	21 17 25	21 5 52
	NOV.	20 6 9	19 23 34
	DEC.	19 18 53	19 18 50
63. B. 23 3 56	JAN.	18 7 38	18 14 7
	FEB.	16 20 22	17 7 45
	MAR.	18 9 6	18 22 39
	APRIL	16 21 50	17 10 32
	MAY	16 10 34	16 19 48
	JUNE	14 23 18	15 3 21
	JULY	14 12 2	14 10 21
	AUG.	13 0 46	12 17 48
	SEPT.	11 13 30	11 2 42
	OCT.	11 2 14	10 13 47
	NOV.	9 14 58	9 3 25
	DEC.	9 3 42	8 19 32
64. A.G. 22 9 45	JAN.	7 16 26	7 13 27
	○	22 10 48	22 16 52
	FEB.	6 5 10	6 7 59
	MAR.	6 17 54	7 1 46
	APRIL	5 6 33	5 17 38
	MAY	4 19 22	5 6 55
	JUNE	3 8 6	3 17 42
	JULY	2 20 50	3 2 38
	○	17 15 12	17 5 13
	AUG.	1 9 34	1 10 40
		30 22 18	30 18 51
	SEPT.	29 11 2	29 3 58
	OCT.	28 23 46	28 14 33
	NOV.	27 12 30	27 2 57
	DEC.	27 1 14	26 17 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 65. F. March. d. h. m. 22 15 34	○	10 19 37	11 7 9
	JAN. .	25 13 59	25 8 56
	FEB. .	24 2 48	24 1 41
	MAR. .	25 15 27	25 18 37
	APRIL	24 4 11	24 10 44
	MAY .	23 16 55	24 1 19
	JUNE .	22 5 39	22 13 57
	○	7 0 1	6 12 1
	JULY .	21 18 23	22 0 54
	AUG. .	20 7 7	20 10 42
	SEPT. .	18 19 51	18 20 13
	OCT. .	18 8 35	18 6 4
	NOV. .	16 21 19	16 16 38
	DEC. .	16 10 3	16 4 5
	○	31 4 25	31 15 22
66. E. 22 21 23	JAN. .	14 22 48	14 16 26
	FEB. .	13 11 32	13 5 45
	MAR. .	15 0 16	14 20 2
	APRIL	13 13 0	13 11 12
	MAY .	13 1 44	13 2 45
	JUNE .	11 14 28	11 18 4
	○	26 8 50	26 1 49
	JULY .	11 8 12	11 8 32
	AUG. .	9 15 56	9 21 48
	SEPT. .	8 4 40	8 9 59
	OCT. .	7 17 24	7 21 24
	NOV. .	6 6 8	6 8 27
	DEC. .	5 18 52	5 19 20
67. D. 23 8 12	JAN. .	4 7 36	4 6 8
	FEB. .	2 20 20	2 16 54
	MAR. .	4 9 4	4 8 56
	APRIL	2 21 48	2 15 40
	MAY ○	2 10 32	2 4 32
		17 4 54	17 12 2
		31 23 16	31 18 43
	JUNE .	30 12 0	30 9 59
	JULY .	30 0 44	30 1 44
	AUG. .	28 13 28	28 17 16
	SEPT. .	27 2 12	27 8 2
	OCT. .	26 14 56	26 21 46
	○	10 9 18	9 22 27
	NOV. .	25 8 40	25 10 25
	DEC. .	24 16 24	24 21 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 68. C.B. March. d. h. m. 22 9 0	JAN. .	23 5 9	23 8 28
	FEB. .	21 17 53	21 18 5
	MAR. .	22 6 37	22 8 17
	APRIL	20 19 21	20 12 45
	○	5 13 43	6 1 29
	MAY .	20 8 5	19 23 19
	JUNE .	18 20 49	18 11 41
	JULY .	18 9 33	18 2 9
	AUG. .	16 22 17	16 18 21
	SEPT. .	15 11 1	15 11 32
	OCT. .	14 23 45	15 4 41
	○	29 18 7	29 7 9
	NOV. .	13 12 29	13 20 50
	DEC. .	13 1 13	13 11 20
69. A. 22 14 49	JAN. .	11 13 58	11 23 52
	FEB. .	10 2 42	10 10 27
	MAR. .	11 15 26	11 19 25
	APRIL	10 4 10	10 8 21
	○	24 22 32	25 7 47
	MAY .	9 16 54	9 11 9
	JUNE .	8 5 38	7 19 49
	JULY .	7 18 22	7 6 22
	AUG. .	6 7 6	5 19 31
	SEPT. .	4 19 50	4 11 21
	OCT. .	4 8 34	4 5 16
	○	19 2 56	18 21 39
	NOV. .	2 21 18	3 0 2
	DEC. .	2 10 2	2 18 14
		31 22 46	...
70. G. 22 20 38	JAN. .	...	1 10 36
		30 11 30	31 0 22
	FEB. .	...	...
	MAR. .	1 0 14	1 11 28
		30 12 58	30 20 18
	APRIL	29 1 42	29 3 40
	MAY .	28 14 26	28 10 32
	JUNE .	27 3 10	26 17 57
	JULY .	26 15 54	26 3 6
	AUG. .	25 4 38	24 14 51
	SEPT. .	23 17 22	23 5 41
	OCT. .	23 6 6	22 23 17
	NOV. .	21 18 50	21 18 34
	DEC. .	21 7 34	21 13 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 71. F. March. *d. h. m.* 23 2 27	JAN.	19 20 19	20 7 50
	FEB.	18 9 8	18 22 58
	○	5 8 25	4 21 46
	MAR.	19 21 47	20 11 1
	APRIL	18 10 31	18 20 22
	MAY	17 23 15	18 8 50
	JUNE	16 11 59	16 10 30
	JULY	16 0 48	15 17 26
	AUG.	14 13 27	14 1 47
	○	29 7 49	29 18 8
	SEPT.	13 2 11	12 12 26
	OCT.	12 14 55	12 2 0
	NOV.	11 8 39	10 18 28
	DEC.	10 16 23	10 13 8
72. E.D. 22 8 16	JAN.	9 5 7	9 8 30
	FEB.	7 17 51	8 3 1
	○	22 12 18	22 10 0
	MAR.	8 6 35	8 19 17
	APRIL	6 19 19	7 8 36
	MAY	6 8 3	6 19 8
	JUNE	4 20 47	5 8 23
	JULY	4 9 31	4 10 35
	AUG.	2 22 15	2 17 49
	○	17 16 37	17 15 55
	SEPT.	1 10 59	1 2 2
		30 23 48	30 12 5
	OCT.	30 12 27	30 0 29
	NOV.	29 1 11	28 15 22
	DEC.	28 13 55	28 8 28
73. C. 22 14 5	JAN.	27 2 40	27 2 35
	○	10 21 2	11 2 3
	FEB.	25 15 24	25 20 42
	MAR.	27 4 8	27 13 30
	APRIL	25 16 52	26 4 4
	MAY	25 5 36	25 16 5
	JUNE	23 18 20	24 1 57
	JULY	23 7 4	23 10 29
	○	7 1 26	6 16 11
	AUG.	21 19 48	21 18 41
	SEPT.	20 8 32	20 3 26
	OCT.	19 21 16	19 13 23
	NOV.	18 10 0	18 0 55
	DEC.	17 22 44	17 14 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 74. B. March. *d. h. m.* 22 19 53	JAN.	16 11 29	16 4 59
	FEB.	15 0 18	14 21 2
	MAR.	16 12 57	16 13 48
	APRIL	15 1 41	15 6 11
	MAY	14 14 25	14 21 38
	JUNE	13 3 9	13 11 15
	JULY	12 15 53	12 23 10
	AUG.	11 4 37	11 9 41
	SEPT.	9 17 21	9 19 32
	OCT.	9 6 5	9 5 22
	NOV.	7 18 49	7 15 42
	DEC.	7 7 33	7 2 42
	○	22 1 55	22 10 51
75. A. 23 1 42	JAN.	5 20 17	5 14 27
	FEB.	4 9 1	4 3 2
	MAR.	5 21 45	5 16 38
	APRIL	4 10 29	4 7 2
	MAY	3 23 18	3 22 14
	JUNE	2 11 57	2 13 42
	○	17 6 19	17 1 59
	JULY	2 0 41	2 4 44
		31 13 25	31 18 50
	AUG.	30 2 9	30 7 49
	SEPT.	28 14 53	28 19 51
	OCT.	28 3 37	28 7 17
	NOV.	26 16 21	26 18 21
	○	11 10 43	11 10 43
	DEC.	26 5 5	26 5 11
76. G.F. 22 7 31	JAN.	24 17 50	24 15 50
	FEB.	23 6 34	23 2 26
	MAR.	23 19 18	23 13 27
	APRIL	22 8 2	22 1 26
	MAY	21 20 46	21 14 46
	○	5 15 8	5 19 18
	JUNE	20 9 30	20 5 30
	JULY	19 22 14	19 21 11
	AUG.	18 10 58	18 13 6
	SEPT.	16 23 42	17 4 35
	OCT.	16 12 26	16 19 10
	NOV.	15 1 10	15 8 35
	○	29 19 32	29 11 8
	DEC.	14 13 54	14 20 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 77.		d. h. m.	d. h. m.
E. March. d. h. m. 22 13 20	JAN.	13 2 39	13 7 44
	FEB.	11 15 23	11 17 36
	MAR.	13 4 7	13 2 44
	APRIL	11 16 51	11 11 42
	MAY	11 5 35	10 21 23
	JUNE	9 18 19	9 8 38
	JULY	9 7 8	8 22 0
	AUG.	7 19 47	7 13 29
	SEPT.	6 8 31	6 6 29
	OCT.	5 21 15	6 0 2
	NOV.	4 9 59	4 17 2
	DEC.	3 22 43	4 8 37
78. D. 22 19 9	JAN.	2 11 27	2 22 11
	FEB.	1 0 11	1 9 39
	MAR.	2 12 55	2 19 12
	APRIL ○	1 1 39 15 20 1 30 14 23	1 3 22 16 3 36 30 10 57
	MAY	30 3 7	29 18 54
	JUNE	28 15 51	28 4 19
	JULY	28 4 35	27 16 7
	AUG.	26 17 19	26 6 42
	SEPT.	25 6 3	24 23 49
	○ OCT.	10 0 25 24 18 47	9 20 56 24 18 30
	NOV.	23 7 31	23 13 20
	DEC.	22 20 15	23 6 51
79. C. 23 0 58	JAN.	21 9 0	21 21 59
	FEB.	19 21 44	20 10 20
	MAR.	21 10 28	21 20 6
	○ APRIL	5 4 50 19 23 12	5 3 58 20 3 57
	MAY	19 11 56	19 10 50
	JUNE	18 0 40	17 17 47
	JULY	17 13 24	17 1 57
	AUG.	16 2 8	15 12 20
	SEPT. ○	14 14 52 29 9 14	14 1 41 29 12 33
	OCT.	14 3 36	13 13 4
	NOV.	12 16 20	12 12 43
	DEC.	12 5 4	12 8 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 80.		d. h. m.	d. h. m.
B.A. March. d. h. m. 22 6 47	JAN.	10 17 49	11 8 11
	FEB.	9 6 33	9 19 43
	MAR.	9 19 17	10 9 14
	○ APRIL	24 13 39	24 6 53
	MAY	8 8 1	8 19 46
	JUNE	7 20 45	8 4 0
	JULY	6 9 29	6 10 54
	AUG.	5 22 13	5 17 36
	SEPT.	4 10 57	4 1 14
	○ OCT.	2 23 41 17 18 3	2 10 43 17 23 46
	NOV.	2 12 25 1 1 9 30 13 53	1 22 52 31 13 58 30 7 39
	DEC.	30 2 37	30 2 46
81. G. 22 12 35	JAN.	28 15 22	28 21 50
	FEB.	27 4 5	27 15 12
	MAR.	28 16 49	29 5 57
	APRIL	27 5 33	27 17 46
	MAY	26 18 17	27 3 3
	JUNE	25 7 1	25 10 45
	JULY	24 19 45	24 17 58
	AUG.	23 8 29	23 1 45
	SEPT.	21 21 13	21 10 57
	OCT.	21 9 57	20 22 13
	NOV.	19 22 41	19 11 52
	DEC.	19 11 25	19 3 47
82. F. 22 18 21	JAN.	18 0 10	17 21 20
	○ FEB.	1 18 32 16 12 54	2 1 29 16 15 26
	MAR.	18 1 38	18 8 52
	APRIL	16 14 22	17 0 32
	MAY	16 3 6	16 13 50
	JUNE	14 15 50	15 0 47
	JULY	14 4 34	14 10 2
	○ AUG.	28 22 56	28 12 5
	SEPT.	12 17 18	12 18 28
	OCT.	11 6 2	11 3 4
	NOV.	10 18 46	10 12 32
	DEC.	9 7 30	8 23 20
		8 20 14	8 11 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 83. E. March. d. h. m. 23 0 13	JAN. .	7 8 59	7 1 34
	○	22 3 21	22 15 38
	FEB. .	5 21 43	5 16 48
	MAR. .	7 10 27	7 8 59
	APRIL	5 23 11	6 1 26
	MAY .	5 11 55	5 17 20
	JUNE .	4 0 39	4 7 57
	JULY .	3 18 23	3 20 58
	○	18 7 45	17 19 14
	AUG. .	2 2 7	2 8 16
		31 14 51	31 18 38
	SEPT. .	30 8 35	30 4 38
	OCT. .	29 16 19	29 14 52
	NOV. .	28 5 8	28 1 35
	DEC. .	27 17 47	27 12 54
84. D.C. 22 6 2	○	11 12 9	11 23 30
	JAN. .	26 6 31	26 0 51
	FEB. .	24 19 15	24 18 35
	MAR. .	25 7 59	25 8 16
	APRIL	23 20 43	23 17 56
	MAY .	23 9 27	23 9 13
	JUNE .	21 22 11	22 0 33
	○	6 16 33	6 9 17
	JULY .	21 10 55	21 15 20
	AUG. .	19 23 39	20 5 9
	SEPT. .	18 12 23	18 17 56
	OCT. .	18 1 7	18 5 54
	NOV. .	16 13 51	16 17 13
	DEC. .	16 2 35	16 4 17
85. B. 22 11 51	JAN. .	14 15 20	14 14 55
	FEB. .	13 4 4	13 1 17
	MAR. .	14 16 48	14 11 46
	APRIL	13 5 32	12 22 55
	MAY .	12 18 16	12 11 19
	JUNE .	11 7 0	11 1 14
	JULY .	10 19 44	10 16 32
	AUG. .	9 8 28	9 8 34
	SEPT. .	7 21 12	8 0 39
	OCT. .	7 9 56	7 16 2
	NOV. .	5 22 40	6 6 18
	○	20 17 2	20 6 45
	DEC. .	5 11 24	5 19 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 86. A. March. d. h. m. 22 17 40	JAN. .	4 0 8	4 6 49
	FEB. .	2 12 52	2 17 5
	MAR. .	4 1 36	4 2 19
	APRIL	2 14 20	2 11 1
	MAY ○	2 3 4	1 20 2
		16 21 26	17 8 31
		31 15 48	31 6 13
	JUNE .	30 4 32	29 18 24
	JULY .	29 17 16	29 8 53
	AUG. .	28 6 0	28 1 21
	SEPT. .	26 18 44	26 18 59
	OCT. .	26 7 28	26 12 38
	○	10 1 50	9 15 48
	NOV. .	24 20 12	25 5 14
	DEC. .	24 8 56	24 19 57
87. G. 22 23 28	JAN. .	22 21 41	23 8 27
	FEB. .	21 10 25	21 18 48
	MAR. .	22 23 9	23 3 25
	APRIL	21 11 53	21 10 59
	○	6 6 15	6 14 28
	MAY .	21 0 37	20 18 29
	JUNE .	19 13 21	19 2 57
	JULY .	19 2 5	18 13 26
	AUG. .	17 14 49	17 2 38
	SEPT. .	16 3 33	15 18 40
	OCT. .	15 16 17	15 12 53
	○	30 10 39	30 6 25
	NOV. .	14 5 1	14 8 0
	DEC. .	13 17 45	14 2 26
88. F.E. 22 5 17	JAN. .	12 6 30	12 18 55
	FEB. .	10 19 14	11 8 36
	MAR. .	11 7 58	11 19 29
	APRIL	9 20 42	10 4 5
	MAY .	9 9 26	9 11 13
	JUNE .	7 22 10	7 17 56
	JULY .	7 10 54	7 1 21
	AUG. .	5 23 38	5 10 33
	SEPT. .	4 12 22	3 22 26
	OCT. .	4 1 6	3 13 24
	NOV. .	2 13 50	2 7 11
	DEC. .	2 2 34	2 2 33
		31 15 18	31 21 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 89.	JAN. .	30 4 2	30 15 43
D. March.	FEB. .	28 16 46	...
d. h. m.		...	1 6 48
22 11 6	MAR. ○	15 11 8	15 5 24
		30 5 30	30 18 37
	APRIL	28 18 14	29 3 49
	MAY .	28 6 58	28 11 15
	JUNE .	26 19 42	26 17 56
	JULY .	26 8 26	26 1 3
	AUG. .	24 21 10	24 9 36
	○	8 15 32	8 20 34
	SEPT. .	23 9 54	22 20 28
	OCT. .	22 22 38	22 10 9
	NOV. .	21 11 22	21 2 37
	DEC. .	21 0 6	20 21 6
90.	JAN. .	19 12 51	19 16 16
C.	FEB. .	18 1 35	18 10 32
	○	4 19 57	4 18 10
22 16 55	MAR. .	19 14 19	20 2 35
	APRIL	18 3 3	18 15 49
	MAY .	17 15 47	18 2 16
	JUNE .	16 4 31	16 10 42
	JULY .	15 17 15	15 18 9
	AUG. .	14 5 59	14 1 41
	○	29 0 21	28 22 58
	SEPT. .	12 18 43	12 10 15
	OCT. .	12 7 27	11 20 32
	NOV. .	10 20 11	10 9 1
	DEC. .	10 8 55	9 23 47
91.	JAN. .	8 21 40	8 16 27
B.	FEB. .	7 10 24	7 10 11
	○	22 4 46	22 10 27
22 22 44	MAR. .	8 23 8	9 3 53
	APRIL	7 11 52	7 20 24
	MAY .	7 0 36	7 10 54
	JUNE .	5 13 20	5 23 3
	JULY .	5 2 4	5 9 11
	AUG. .	3 14 48	3 18 6
	○	18 9 10	17 23 10
	SEPT. .	2 3 32	2 2 45
	OCT. .	1 16 16	1 11 55
		31 5 0	30 22 8
	NOV. .	29 17 44	29 9 42
	DEC. .	29 6 28	28 22 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 92.	JAN. .	27 19 12	27 13 4
A.G. March.	FEB. .	26 7 56	26 4 33
d. h. m.	MAR. .	26 20 40	26 20 42
22 4 33	APRIL	25 9 24	25 12 49
	MAY .	24 22 8	25 4 6
	JUNE .	23 10 52	23 18 0
	JULY .	22 23 36	23 6 19
	AUG. .	21 12 20	21 17 22
	SEPT. .	20 1 4	20 3 46
	OCT. .	19 13 48	19 14 1
	NOV. .	18 2 32	18 0 36
	DEC. .	17 15 16	17 11 36
	○	1 9 39	1 18 56
93.	JAN. .	16 4 1	15 23 6
F.	FEB. .	14 16 45	14 11 9
22 10 21	MAR. .	16 5 29	16 0 2
	APRIL	14 18 13	14 13 56
	MAY .	14 6 57	14 4 47
	JUNE .	12 19 41	12 20 8
	○	27 14 3	27 9 27
	JULY .	12 8 25	12 11 23
	AUG. .	10 21 9	11 1 57
	SEPT. .	9 9 53	9 15 32
	OCT. .	8 22 37	9 4 11
	NOV. .	7 11 21	7 16 3
	DEC. .	7 0 5	7 3 20
	○	21 18 27	21 18 39
94.	JAN. .	5 12 50	5 14 6
E.	FEB. .	4 1 34	4 0 23
22 16 10	MAR. .	5 14 18	5 10 30
	APRIL	4 3 2	3 20 56
	MAY .	3 15 46	3 8 24
	JUNE .	2 4 30	1 21 23
	○	16 22 52	17 2 42
	JULY .	1 17 14	1 12 1
		31 5 58	31 3 52
	AUG. .	29 18 42	29 20 15
	SEPT. .	28 7 26	28 12 20
	OCT. .	27 20 10	28 3 30
	NOV. .	26 8 54	26 17 18
	○	11 3 16	10 19 18
	DEC. .	25 21 38	26 5 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 95.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 22 21 59	JAN.	24 10 22	24 16 27
	FEB.	22 23 6	23 1 58
	MAR.	24 11 50	24 10 39
	APRIL	23 0 34	22 19 9
	MAY	22 13 18	22 4 26
	○	6 7 40	6 17 7
	JUNE	21 2 2	20 15 27
	JULY	20 14 46	20 4 45
	AUG.	19 8 30	18 20 23
	SEPT.	17 16 14	17 13 45
	OCT.	17 4 58	17 7 48
	NOV.	15 17 42	16 1 15
	DEC.	15 6 26	15 17 8
96. C.B. 22 8 48	JAN.	13 19 11	14 6 46
	FEB.	12 7 55	12 18 5
	MAR.	12 20 39	13 3 20
	APRIL	11 9 23	11 11 8
	MAY	10 22 7	10 18 25
	JUNE	9 10 51	9 2 8
	JULY	8 23 35	8 11 27
	AUG.	7 12 19	6 23 16
	SEPT.	6 1 3	5 13 59
	OCT.	5 13 47	5 7 23
	○	20 8 9	20 5 39
	NOV.	4 2 31	4 2 21
	DEC.	3 15 15	3 21 27
97. A. 22 9 37	JAN.	2 4 0	2 15 7
		31 16 44	...
	FEB.	...	1 6 12
	MAR.	2 5 28	2 18 23
		31 18 12	1 8 55
	○	15 12 34	15 10 46
	APRIL	30 6 56	30 11 33
	MAY	29 19 40	29 18 17
	JUNE	23 8 24	28 1 12
	JULY	27 21 8	27 9 25
	AUG.	26 9 52	25 19 56
	SEPT.	24 22 36	24 9 26
	○	9 16 58	9 20 59
	OCT.	24 11 20	24 1 58
	NOV.	23 0 4	22 20 45
	DEC.	22 12 48	22 16 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 98.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 22 15 26	JAN.	21 1 32	21 11 4
	FEB.	19 14 16	20 3 27
	MAR.	21 3 0	21 16 50
	○	4 21 22	4 15 11
	APRIL	19 15 44	20 3 14
	MAY	19 4 28	19 11 24
	JUNE	17 17 12	17 18 20
	JULY	17 5 56	17 1 11
	AUG.	15 18 40	15 9 1
	SEPT.	14 7 24	13 18 45
	○	29 1 46	29 7 40
	OCT.	13 20 8	13 7 3
	NOV.	12 8 52	11 22 11
	DEC.	11 21 36	11 15 44
99. F. 22 21 14	JAN.	10 10 20	10 10 37
	FEB.	8 23 5	9 5 22
	MAR.	10 11 49	10 22 31
	APRIL	9 0 33	9 13 9
	MAY	8 13 17	9 0 54
	JUNE	7 2 1	7 10 18
	JULY	6 14 45	6 18 13
	AUG.	5 3 29	5 1 44
	SEPT.	3 16 13	3 9 51
	OCT.	3 4 57	2 19 22
	NOV.	1 17 41	1 6 47
	DEC.	1 6 25	30 20 24
		30 19 9	30 12 1
100. E.D. 22 3 3	JAN.	29 7 54	29 5 8
	○	13 2 16	13 9 59
	FEB.	27 20 38	27 22 45
	MAR.	28 9 22	28 15 50
	APRIL	26 22 6	27 7 19
	MAY	26 10 50	26 20 40
	JUNE	24 23 31	25 7 52
	JULY	24 12 18	24 17 29
	○	8 6 40	7 19 5
	AUG.	23 1 2	23 2 22
	SEPT.	21 13 46	21 11 21
	OCT.	21 2 30	20 21 13
	NOV.	19 15 14	19 8 11
	DEC.	19 3 58	18 20 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 101.	JAN.	17 16 42	17 9 58
C. March. d. h. m. 22 8 52	○	1 11 4	1 23 59
	FEB.	16 5 26	16 0 33
	MAR.	17 18 10	17 16 9
	APRIL	16 6 54	16 8 9
	MAY	15 19 38	15 23 52
	JUNE	14 8 22	14 14 32
	JULY	13 21 6	14 3 49
	○	28 15 28	28 2 34
	AUG.	12 9 50	12 15 42
	SEPT.	10 22 34	11 2 38
	OCT.	10 11 18	10 13 9
	NOV.	9 0 2	8 23 43
	DEC.	8 12 46	8 10 32
102. B. 22 14 41	JAN.	7 1 31	6 21 41
	○	21 19 53	22 7 32
	FEB.	5 14 15	5 9 12
	MAR.	7 2 59	6 21 19
	APRIL	5 15 43	5 10 25
	MAY	5 4 27	5 0 36
	JUNE	3 17 11	3 15 39
	JULY	3 5 55	3 7 5
	○	18 0 17	17 16 50
	AUG.	1 18 39	1 22 14
		31 7 23	31 12 38
	SEPT.	29 20 7	30 2 2
	OCT.	29 8 51	29 14 31
	NOV.	27 21 35	28 2 14
	DEC.	27 10 19	27 13 15
103. A. 22 20 30	JAN.	25 23 3	25 23 37
	FEB.	24 11 47	24 9 31
	MAR.	26 0 31	25 19 26
	APRIL	24 13 15	24 6 8
	MAY	24 1 59	23 18 3
	JUNE	22 14 43	22 7 46
	JULY	22 3 27	21 23 8
	AUG.	20 16 11	20 15 32
	SEPT.	19 4 55	19 8 8
	OCT.	18 17 39	19 0 7
	NOV.	17 6 23	17 14 51
	○	2 0 45	1 15 6
	DEC.	16 19 7	17 4 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 104. G.F. March. d. h. m. 22 2 18	JAN.	15 7 52	15 15 34
	FEB.	13 20 36	14 1 36
	MAR.	14 9 20	14 10 24
	APRIL	12 22 4	12 18 40
	MAY	12 10 48	12 8 16
	○	27 5 10	27 14 31
	JUNE	10 23 32	10 13 10
	JULY	10 12 16	10 1 13
	AUG.	9 1 0	8 15 46
	SEPT.	7 13 44	7 8 32
	OCT.	7 2 28	7 2 35
	NOV.	5 15 12	5 20 42
	○	20 9 34	20 0 34
	DEC.	5 3 56	5 13 38
105. E. 22 8 7	JAN.	3 16 41	4 4 32
	FEB.	2 5 25	2 16 56
	MAR.	3 18 9	4 3 1
	APRIL	2 6 53	2 11 17
	MAY ○	1 19 37	1 18 33
		16 13 59	16 21 5
		31 8 21	31 1 49
	JUNE	29 21 5	29 10 9
	JULY	29 9 49	28 20 37
	AUG.	27 22 33	27 9 55
	SEPT.	26 11 17	26 2 9
	OCT.	26 0 1	25 20 39
	○	9 18 23	9 15 18
	NOV.	24 12 45	24 15 59
	DEC.	24 1 29	24 10 36
106. D. 22 13 56	JAN.	22 14 13	23 3 5
	FEB.	21 2 57	21 16 39
	MAR.	22 15 41	23 3 20
	APRIL	21 4 25	21 11 42
	MAY	20 17 9	20 18 41
	JUNE	19 5 53	19 1 21
	JULY	18 18 37	18 8 49
	AUG.	17 7 21	16 18 8
	SEPT.	15 20 5	15 6 10
	OCT.	15 8 49	14 21 17
	NOV.	13 21 33	13 15 7
	DEC.	13 10 17	13 10 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 107. C. March. d. h. m. 22 19 45		d. h. m.	d. h. m.
	JAN.	11 23 2	12 5 50
	FEB.	10 11 46	10 23 29
	MAR.	12 0 30	12 14 19
	○	26 18 52	26 12 57
	APRIL	10 18 14	11 2 6
	MAY	10 1 58	10 11 13
	JUNE	8 14 42	8 18 40
	JULY	8 8 26	8 1 29
	AUG.	6 16 10	6 8 48
	SEPT.	5 4 54	4 17 36
	○	19 23 16	20 4 15
	OCT.	4 17 38	4 4 40
	NOV.	3 6 22	2 18 27
	DEC.	2 19 6	2 10 49
108. B.A. 22 1 34	JAN.	1 7 50	1 5 4
		30 20 34	30 23 55
	FEB.	29 9 19	29 17 54
	○	15 3 41	15 2 11
	MAR.	29 22 8	30 9 42
	APRIL	28 10 47	28 22 53
	MAY	27 23 31	28 9 25
	JUNE	26 12 15	26 18 8
	JULY	26 0 59	26 1 47
	AUG.	24 13 43	24 9 40
	○	8 8 5	8 6 10
	SEPT.	23 2 27	22 18 34
	OCT.	22 15 11	22 5 7
	NOV.	21 3 55	20 17 39
	DEC.	20 16 39	20 8 11
109. G. 22 7 23	JAN.	19 5 23	19 0 25
	FEB.	17 18 7	17 17 40
	○	4 12 29	4 19 1
	MAR.	19 6 51	19 10 55
	APRIL	17 19 35	18 3 10
	MAY	17 8 19	17 17 37
	JUNE	15 21 3	16 5 57
	JULY	15 9 47	15 16 26
	AUG.	13 22 31	14 1 49
	○	28 16 53	28 6 20
	SEPT.	12 11 15	12 10 55
	OCT.	11 23 59	11 20 29
	NOV.	10 12 43	10 6 58
	DEC.	10 1 27	9 18 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 110. F. March. d. h. m. 22 18 11		d. h. m.	d. h. m.
	JAN.	8 14 12	8 7 14
	FEB.	7 2 56	6 21 4
	MAR.	8 15 40	8 11 57
	APRIL	7 4 24	7 3 34
	MAY	6 17 8	6 19 21
	JUNE	5 5 52	5 10 37
	JULY	4 18 36	5 0 45
	AUG.	3 7 20	3 13 33
	SEPT.	1 20 4	2 1 10
	OCT.	1 8 48	1 12 6
		30 21 32	30 22 49
	NOV.	29 10 16	29 9 35
	DEC.	28 23 0	28 20 31
111. E. 22 19 0	○	12 17 22	13 2 54
	JAN.	27 11 44	27 7 37
	FEB.	26 0 29	25 19 8
	MAR.	27 13 13	27 7 25
	APRIL	26 1 57	25 20 46
	MAY	25 14 41	25 11 17
	JUNE	24 3 25	24 2 35
	○	8 21 47	8 17 0
	JULY	23 16 9	23 18 6
	AUG.	22 4 53	22 9 10
	SEPT.	20 17 37	20 23 22
	OCT.	20 6 21	20 12 36
	NOV.	18 19 5	19 0 53
	DEC.	18 7 49	18 12 17
112. D.C. 22 0 49	○	2 2 11	2 2 34
	JAN.	16 20 33	16 22 54
	FEB.	15 9 17	15 8 48
	MAR.	15 22 1	15 18 24
	APRIL	14 10 45	14 4 18
	MAY	13 23 29	13 15 18
	JUNE	12 12 13	12 4 0
	○	27 6 35	27 10 7
	JULY	12 0 57	11 18 35
	AUG.	10 13 41	10 10 41
	SEPT.	9 2 25	9 3 31
	OCT.	8 15 9	8 20 10
	NOV.	7 3 53	7 11 52
	DEC.	6 16 37	7 2 1
	○	21 10 59	21 3 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 113.		d. h. m.	d. h. m.
B. March. d. h. m. 22 6 38	JAN.	5 5 22	5 14 25
	FEB.	3 18 6	4 1 2
	MAR.	5 6 50	5 10 13
	APRIL	3 19 34	3 18 27
	MAY	3 8 18	3 2 33
	JUNE	1 21 2	1 11 32
	○	16 16 24	17 1 14
	JULY	1 9 46	30 22 20
		30 22 30	30 11 38
	AUG.	29 11 14	29 3 28
	SEPT.	27 23 58	27 21 11
	OCT.	27 12 42	27 15 40
	NOV.	26 1 26	26 9 31
	DEC.	25 14 10	26 1 36
114. A. 22 12 27	JAN.	24 2 54	24 15 15
	FEB.	22 15 38	23 2 20
	MAR.	24 4 22	24 11 17
	APRIL	22 17 6	22 18 49
	MAY	22 5 50	22 1 49
	JUNE	20 18 34	20 9 24
	JULY	20 7 18	19 18 40
	AUG.	18 20 2	18 6 32
	SEPT.	17 8 46	16 21 26
	OCT.	16 21 30	16 15 1
	○	31 15 52	31 14 26
	NOV.	15 10 14	15 10 14
	DEC.	14 22 58	15 5 31
115. G. 22 18 16	JAN.	13 11 43	13 23 14
	FEB.	12 0 27	12 14 16
	MAR.	13 13 11	14 2 15
	APRIL	12 1 55	12 11 35
	○	26 20 17	26 17 28
	MAY	11 14 39	11 19 4
	JUNE	10 3 23	10 1 43
	JULY	9 16 7	9 8 40
	AUG.	8 4 51	7 16 59
	SEPT.	6 17 35	6 3 39
	OCT.	6 6 19	5 17 19
	○	21 0 41	21 5 31
	NOV.	4 19 3	4 9 55
	DEC.	4 7 47	4 4 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 116.		d. h. m.	d. h. m.
F.E. March. d. h. m. 22 0 4	JAN.	2 20 32	3 0 15
	FEB.	1 9 16	1 18 50
	MAR.	1 22 0	2 11 4
		31 10 44	1 0 17
	○	15 5 6	14 22 23
	APRIL	29 23 28	30 10 36
	MAY	29 12 12	29 18 47
	JUNE	28 0 56	28 1 49
	JULY	27 18 40	27 8 51
	AUG.	26 2 24	25 16 56
	SEPT.	24 15 8	24 2 55
	○	9 9 30	9 15 41
	OCT.	24 3 52	23 15 23
	NOV.	22 16 36	22 6 29
	DEC.	22 5 20	21 23 50
117. D. 22 5 58	JAN.	20 18 4	20 18 24
	FEB.	19 6 48	19 12 47
	MAR.	20 19 32	21 5 41
	APRIL	19 8 16	19 20 9
	MAY	18 21 0	19 7 57
	JUNE	17 9 44	17 17 31
	JULY	16 22 28	17 1 42
	AUG.	15 11 12	15 9 35
	SEPT.	13 23 56	13 18 4
	OCT.	13 12 40	13 3 53
	NOV.	12 1 24	11 15 27
	DEC.	11 14 8	11 4 57
118. C. 22 11 42	JAN.	10 2 53	9 20 14
	FEB.	8 15 37	8 12 49
	○	23 9 59	23 18 19
	MAR.	10 4 21	10 5 56
	APRIL	8 17 5	8 22 33
	MAY	8 5 49	8 13 59
	JUNE	6 18 33	7 3 26
	JULY	6 7 17	6 14 57
	AUG.	4 20 1	5 1 1
	○	19 14 23	19 2 13
	SEPT.	3 8 45	3 10 23
	OCT.	2 21 29	2 19 53
	NOV.	1 10 13	1 6 1
		30 22 57	30 17 4
	DEC.	30 11 41	30 5 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 119. B. March. *d. h. m.* 22 17 30	JAN. .	29 0 26	28 18 8
	○	12 18 48	18 8 12
	FEB. .	27 18 10	27 8 12
	MAR. .	29 1 54	28 23 12
	APRIL	27 14 38	27 15 46
	MAY .	27 3 22	27 6 20
	JUNE .	25 16 6	25 21 10
	JULY .	25 4 50	25 10 50
	○	8 23 12	8 10 1
	AUG. .	23 17 34	23 23 16
	SEPT. .	22 6 18	22 10 47
	OCT. .	21 19 2	21 21 47
	NOV. .	20 7 46	20 8 40
	DEC. .	19 20 30	19 19 30
120. A.G. 21 23 19	JAN. .	18 9 14	18 6 21
	○	2 3 36	2 15 25
	FEB. .	16 21 58	16 17 23
	MAR. .	17 10 42	17 4 56
	APRIL	15 23 26	15 17 27
	MAY .	15 12 10	15 7 11
	JUNE .	14 0 54	13 22 5
	JULY .	13 13 38	13 13 40
	○	28 8 0	28 0 27
	AUG. .	12 2 22	12 5 13
	SEPT. .	10 15 6	10 20 12
	OCT. .	10 3 50	10 10 12
	NOV. .	8 16 34	8 23 10
	DEC. .	8 5 18	8 11 8
121. F. 22 5 8	JAN. .	6 18 3	6 22 7
	FEB. .	5 6 47	5 8 11
	MAR. .	6 19 31	6 17 38
	APRIL	5 8 15	5 3 3
	MAY .	4 20 59	4 13 11
	JUNE .	3 9 43	3 0 47
	JULY .	2 22 27	2 14 23
	AUG. .	1 11 11	1 5 52
		30 23 55	30 22 37
	SEPT. .	29 12 39	29 15 45
	OCT. .	29 1 23	29 8 16
	NOV. .	27 14 7	27 23 26
	○	12 8 29	11 23 30
	DEC. .	27 2 51	27 12 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 122. E. March. *d. h. m.* 22 10 57	JAN. .	25 15 36	26 0 15
	FEB. .	24 4 20	24 9 57
	MAR. .	25 17 4	25 18 22
	APRIL	24 5 48	24 2 14
	MAY .	23 18 32	23 10 29
	○	7 12 54	7 22 29
	JUNE .	22 7 16	21 20 9
	JULY .	21 20 0	21 8 9
	AUG. .	20 8 44	19 22 47
	SEPT. .	18 21 28	18 15 49
	OCT. .	18 10 12	18 10 17
	NOV. .	16 22 56	17 4 47
	○	1 17 18	1 9 22
	DEC. .	16 11 40	16 22 1
123. D. 22 16 46	JAN. .	15 0 24	15 12 57
	FEB. .	13 18 8	14 1 15
	MAR. .	15 1 52	15 11 4
	APRIL	13 14 36	13 19 3
	MAY .	13 8 20	13 2 4
	○	27 21 42	28 3 37
	JUNE .	11 16 4	11 9 8
	JULY .	11 4 48	10 17 25
	AUG. .	9 17 32	9 3 54
	SEPT. .	8 6 16	7 17 20
	OCT. .	7 19 0	7 9 46
	NOV. .	6 7 44	6 4 28
	○	21 2 6	21 0 14
	DEC. .	5 20 28	5 23 59
124. C.B. 21 22 35	JAN. .	4 9 13	4 18 42
	FEB. .	2 21 57	3 11 7
	MAR. .	3 10 41	4 0 34
	APRIL	1 23 25	2 11 3
	MAY .	1 12 9	1 19 15
		31 0 58	31 2 10
	JUNE .	29 13 37	29 8 49
	JULY .	29 2 21	28 16 24
	AUG. .	27 15 5	27 1 52
	SEPT. .	26 3 49	25 14 5
	OCT. .	25 16 33	25 5 18
	NOV. .	24 5 17	23 23 9
	DEC. .	23 18 1	23 18 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 125.		d. h. m.	d. h. m.
A. March. d. h. m. 22 4 28	JAN.	22 6 46	22 13 38
	FEB.	20 19 30	21 7 5
	MAR.	22 8 14	22 21 45
	○	6 2 36	5 20 25
	APRIL	20 20 58	21 9 26
	MAY	20 9 42	20 18 33
	JUNE	18 22 26	19 2 4
	JULY	18 11 10	18 9 4
	AUG.	16 23 54	16 16 40
	SEPT.	15 12 38	15 1 44
	○	30 7 0	30 12 1
	OCT.	15 1 22	14 13 0
	NOV.	13 14 6	13 2 50
	DEC.	13 2 50	12 19 3
126. G. 22 10 12	JAN.	11 15 34	11 13 0
	FEB.	10 4 18	10 7 26
	MAR.	11 17 2	12 1 8
	○	26 11 24	26 10 5
	APRIL	10 5 46	10 16 44
	MAY	9 18 30	10 5 51
	JUNE	8 7 14	8 16 31
	JULY	7 19 58	8 1 24
	AUG.	6 8 42	6 9 30
	SEPT.	4 21 26	4 17 47
	○	19 15 48	19 13 28
	OCT.	4 10 10	4 3 3
	NOV.	2 22 54	2 13 49
	DEC.	2 11 38	2 2 18
		...	31 16 34
127. F. 22 16 1	JAN.	1 0 22	...
		30 13 6	30 8 19
	FEB.	...	...
	MAR. ○	1 1 51	1 1 2
		15 20 13	16 2 46
		30 14 35	30 17 50
	APRIL	29 3 19	29 9 51
	MAY	28 16 3	29 0 18
	JUNE	27 4 47	27 12 53
	JULY	26 17 31	26 23 48
	AUG.	25 6 15	25 9 41
	○	9 0 37	8 13 38
	SEPT.	23 18 59	23 19 10
	OCT.	23 7 43	23 5 14
	NOV.	21 20 27	21 15 53
	DEC.	21 9 11	21 3 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 128.		d. h. m.	d. h. m.
E.D. March. d. h. m. 21 21 50	JAN.	19 21 55	19 15 41
	FEB.	18 10 39	18 4 57
	MAR.	18 23 23	18 19 12
	APRIL	17 12 7	17 10 19
	MAY	17 0 51	17 1 49
	JUNE	15 13 35	15 17 7
	JULY	15 2 19	15 7 33
	AUG.	13 15 3	13 20 51
	SEPT.	12 3 47	12 9 4
	OCT.	11 16 31	11 20 34
	NOV.	10 5 15	10 7 39
	DEC.	9 17 59	9 18 33
129. C. 22 3 39	JAN.	8 6 44	8 5 20
	○	23 1 6	23 10 48
	FEB.	6 19 28	6 16 3
	MAR.	8 8 12	8 3 0
	APRIL	6 20 56	6 14 40
	MAY	6 9 40	6 3 33
	JUNE	4 22 24	4 17 46
	JULY	4 11 8	4 9 5
	○	19 5 30	19 0 34
	AUG.	2 23 52	3 0 54
	SEPT.	1 12 36	1 16 29
	OCT.	1 1 20	1 7 19
		30 14 4	30 21 5
	NOV.	29 2 48	29 9 43
	DEC.	28 15 32	28 21 11
130. B. 22 9 28	○	12 9 55	12 10 24
	JAN.	27 4 17	27 7 35
	FEB.	25 17 1	25 17 7
	MAR.	27 5 45	27 2 12
	APRIL	25 18 29	25 11 37
	MAY	25 7 13	24 22 13
	JUNE	23 19 57	23 10 42
	○	8 14 19	8 17 35
	JULY	23 8 41	23 1 16
	AUG.	21 21 25	21 17 37
	SEPT.	20 10 9	20 10 55
	OCT.	19 22 53	20 4 7
	NOV.	18 11 37	18 20 17
	DEC.	18 0 21	18 10 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 131.	○	1 18 48	1 11 46
A.	JAN. .	16 13 5	16 23 4
March.	FEB. .	15 1 49	15 9 30
d. h. m.	MAR. .	16 14 38	16 18 18
22 15 16	APRIL	15 8 17	15 2 9
	MAY .	14 16 1	14 9 54
	JUNE .	13 4 45	12 18 37
	○	27 23 7	28 7 16
	JULY .	12 17 29	12 5 19
	AUG. .	11 6 13	10 18 39
	SEPT. .	9 18 57	9 10 40
	OCT. .	9 7 41	9 4 44
	NOV. .	7 20 25	7 23 34
	DEC. .	7 9 9	7 17 45
132.	JAN. .	5 21 54	6 9 59
G.F.	FEB. .	4 10 38	4 23 35
21 21 5	MAR. .	4 23 22	5 10 29
	APRIL	3 12 6	3 19 8
	MAY .	3 0 50	3 2 24
	JUNE .	1 13 34	1 9 13
	JULY .	1 2 18	30 16 43
		30 15 2	30 2 1
	AUG. .	29 3 46	28 14 0
	SEPT. .	27 16 30	27 5 2
	OCT. .	27 5 14	26 22 50
	○	10 23 36	10 23 19
	NOV. .	25 17 58	25 18 13
	DEC. .	25 6 42	25 13 33
133.	JAN. .	23 19 27	24 7 15
E.	FEB. .	22 8 11	22 22 9
22 2 54	MAR. .	23 20 55	24 9 59
	APRIL	22 9 39	22 19 10
	○	7 4 1	7 0 6
	MAY .	21 22 23	22 2 32
	JUNE .	20 11 7	20 9 10
	JULY .	19 23 51	19 16 13
	AUG. .	18 12 35	18 0 43
	SEPT. .	17 1 19	16 11 35
	OCT. .	16 14 3	16 1 21
	○	31 8 25	31 14 9
	NOV. .	15 2 47	14 18 0
	DEC. .	14 15 31	14 12 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 134.	JAN. .	13 4 15	13 8 4
D.	FEB. .	11 16 59	12 2 25
March.	MAR. .	13 5 43	13 18 28
d. h. m.	APRIL	11 18 27	12 7 34
22 8 43	○	26 12 49	26 5 31
	MAY .	11 7 11	11 17 53
	JUNE .	9 19 55	10 2 5
	JULY .	9 8 39	9 9 19
	AUG. .	7 21 23	7 16 38
	SEPT. .	6 10 7	6 1 1
	OCT. .	5 22 51	5 11 15
	○	20 17 13	20 23 47
	NOV. .	4 11 35	3 23 49
	DEC. .	4 0 19	3 14 50
135.	JAN. .	2 13 3	2 7 54
C.	FEB. .	1 1 47	1 2 2
22 14 32	MAR. .	2 14 32	2 20 3
	APRIL	1 8 16	1 12 41
		30 16 0	1 3 3
	MAY .	30 4 44	30 14 57
	JUNE .	28 17 28	29 0 45
	JULY .	28 6 12	28 9 18
	AUG. .	26 18 56	26 17 34
	SEPT. .	25 7 40	25 2 28
	OCT. .	24 20 24	24 12 35
	NOV. .	23 9 8	23 0 12
	DEC. .	22 21 52	22 13 31
136.	JAN. .	21 10 37	21 4 21
B.A.	FEB. .	19 23 21	19 20 22
	○	5 17 43	6 2 35
21 20 21	MAR. .	20 12 5	20 12 59
	APRIL	19 0 49	19 5 19
	MAY .	18 13 33	18 20 36
	JUNE .	17 2 17	17 10 13
	JULY .	16 15 1	16 22 6
	AUG. .	15 3 45	15 8 38
	○	29 22 7	29 9 31
	SEPT. .	13 16 29	13 18 33
	OCT. .	13 5 13	13 4 31
	NOV. .	11 17 57	11 14 54
	DEC. .	11 6 41	11 1 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.	A.D. 140. D.C. March. d. h. m. 21 19 36		d. h. m.	d. h. m.
A.D. 137. G. March. d. h. m. 22 2 9	JAN. .	9 19 25	9 13 43		JAN. .	7 10 35	7 21 28
	FEB. .	8 8 9	8 2 15		FEB. .	5 23 19	6 8 46
	○	23 2 31	23 16 13		MAR. .	6 12 8	6 18 10
	MAR. .	9 20 53	9 15 43		APRIL	5 0 47	5 2 12
	APRIL	8 9 37	8 6 9		MAY .	4 13 31	4 9 42
	MAY .	7 22 21	7 21 20		JUNE .	3 2 15	2 17 40
	JUNE .	6 11 5	6 12 46		○	17 20 37	18 5 24
	JULY .	5 23 49	6 3 47		JULY .	2 14 59	2 3 12
	AUG. .	4 12 33	4 17 54		AUG. .	1 3 43	31 15 9
	○	19 6 55	18 17 37			30 16 27	30 5 57
	SEPT. .	3 1 17	3 6 55		SEPT. .	29 5 11	28 23 16
	OCT. .	2 14 1	2 19 2		OCT. .	28 17 55	28 18 5
	NOV. .	1 2 45	1 6 31		NOV. .	27 6 39	27 12 55
		30 15 29	30 17 36		○	12 1 1	11 18 10
	DEC. .	30 4 13	30 4 24		DEC. .	26 19 23	27 6 19
138. F. 22 7 58	JAN. .	28 16 58	28 14 59	141. B. 22 1 25	JAN. .	25 8 7	25 21 16
	○	12 11 20	12 23 9		FEB. .	23 20 51	24 9 24
	FEB. .	27 5 42	27 1 30		MAR. .	25 9 36	25 18 59
	MAR. .	28 18 26	28 12 28		APRIL	23 22 20	24 2 43
	APRIL	27 7 10	27 0 25		MAY .	23 11 4	23 9 31
	MAY .	26 19 54	26 13 47		○	7 5 26	7 10 9
	JUNE .	25 8 38	25 4 34		JUNE .	21 23 48	21 16 30
	JULY .	24 21 22	24 20 18		JULY .	21 12 32	21 0 47
	○	8 15 44	8 8 13		AUG. .	20 1 16	19 11 23
	AUG. .	23 10 6	23 12 19		SEPT. .	18 14 0	18 0 57
	SEPT. .	21 22 50	22 3 53		OCT. .	18 2 44	17 17 33
	OCT. .	21 11 34	21 18 30		NOV. .	16 15 28	16 12 23
	NOV. .	20 0 13	20 7 54		○	1 9 50	1 9 13
	DEC. .	19 13 2	19 20 2		DEC. .	16 4 12	16 7 59
139. E. 22 13 47	JAN. .	18 1 47	18 6 55	142. A. 22 7 14	JAN. .	14 16 56	15 2 40
	FEB. .	16 14 31	16 16 39		FEB. .	13 5 40	13 18 59
	MAR. .	18 3 15	18 1 39		MAR. .	14 18 24	15 8 17
	APRIL	16 15 59	16 10 34		APRIL	13 7 8	13 18 38
	MAY .	16 4 43	15 20 15		MAY .	12 19 52	13 2 42
	JUNE .	14 17 27	14 7 35		○	27 14 14	27 10 48
	JULY .	14 6 11	13 21 4		JUNE .	11 8 36	11 9 34
	AUG. .	12 18 55	12 12 41		JULY .	10 21 20	10 16 20
	SEPT. .	11 7 39	11 5 50		AUG. .	9 10 4	9 0 5
	OCT. .	10 20 23	10 23 28		SEPT. .	7 22 48	7 9 46
	NOV. .	9 9 7	9 16 31		OCT. .	7 11 32	6 22 8
	DEC. .	8 21 51	9 8 1		NOV. .	6 0 16	5 13 26
	○	23 16 13	23 7 54		DEC. .	5 13 0	5 7 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 143.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 22 13 2	JAN. .	4 1 45	4 2 21
	FEB. .	2 14 29	2 21 16
	MAR. .	4 8 13	4 14 30
	APRIL	2 15 57	8 5 2
	○	17 10 19	17 8 46
	MAY .	2 4 41	2 16 38
		31 17 25	
	JUNE .	30 6 9	1 1 48 / 30 9 29
	JULY .	29 18 58	29 16 46
	AUG. .	28 7 37	28 0 40
	SEPT. .	26 20 21	26 10 2
	○	11 14 43	11 19 52
	OCT. .	26 9 5	25 21 29
	NOV. .	24 21 49	24 11 17
	DEC. .	24 10 33	24 3 17
144. F.E. 21 18 51	JAN. .	22 23 18	22 20 49
	FEB. .	21 12 2	21 14 51
	MAR. .	22 0 46	22 8 7
	○	5 19 8	5 17 52
	APRIL	20 13 30	20 23 36
	MAY .	20 2 14	20 12 45
	JUNE .	18 14 58	18 23 37
	JULY .	18 3 42	18 8 50
	AUG. .	16 16 26	16 17 21
	SEPT. .	15 5 10	15 2 4
	○	29 23 32	29 21 5
	OCT. .	14 17 54	14 11 41
	NOV. .	13 6 38	12 22 35
	DEC. .	12 19 22	12 11 0
145. D. 22 0 40	JAN. .	11 8 6	11 0 55
	FEB. .	9 20 50	9 16 8
	MAR. .	11 9 34	11 8 15
	○	26 3 56	26 10 44
	APRIL	9 22 18	10 0 36
	MAY .	9 11 2	9 16 24
	JUNE .	7 23 46	8 6 56
	JULY .	7 12 30	7 19 49
	AUG. .	6 1 14	6 7 12
	SEPT. .	4 13 58	4 17 37
	○	19 8 20	18 21 5
	OCT. .	4 2 42	4 3 44
	NOV. .	2 15 26	2 14 2
	DEC. .	2 4 10	2 0 49
		31 16 54	31 12 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 146.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 22 6 29	JAN. .	30 5 39	30 0 4
	FEB. .	28 18 23	28 12 46
	MAR. .	30 7 7	30 2 23
	APRIL	28 19 51	28 17 1
	MAY .	28 8 35	28 8 17
	JUNE .	26 21 19	26 23 37
	JULY .	26 10 3	26 14 25
	AUG. .	24 22 47	25 4 16
	SEPT. .	23 11 31	23 17 7
	OCT. .	23 0 15	23 5 7
	NOV. .	21 12 59	21 16 33
	DEC. .	21 1 43	21 3 32
147. B. 22 12 18	JAN. .	19 14 27	19 14 5
	○	3 8 49	3 18 31
	FEB. .	18 3 11	18 0 21
	MAR. .	19 15 56	19 10 46
	APRIL	18 4 40	17 21 53
	MAY .	17 17 24	17 10 18
	JUNE .	16 6 8	16 0 17
	JULY .	15 18 52	15 15 39
	○	30 13 14	30 8 16
	AUG. .	14 7 36	14 7 48
	SEPT. .	12 20 20	12 23 55
	OCT. .	12 9 4	12 15 22
	NOV. .	10 21 48	11 5 38
	DEC. .	10 10 32	10 18 32
148. A.G. 21 18 7	JAN. .	8 23 16	9 6 1
	○	23 17 33	23 18 8
	FEB. .	7 12 0	7 16 10
	MAR. .	8 0 44	8 1 16
	APRIL	6 13 28	6 9 54
	MAY .	6 2 12	5 18 51
	JUNE .	4 14 56	4 5 6
	JULY .	4 3 40	3 17 24
	○	18 22 2	19 1 6
	AUG. .	2 16 24	2 8 2
	SEPT. .	1 5 8	1 0 39
		30 17 52	30 18 25
	OCT. .	30 6 36	30 12 8
	NOV. .	28 19 20	29 4 41
	DEC. .	28 8 4	28 19 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 149. F.		d. h. m.	d. h. m.	A.D. 152. C.B.		d. h. m.	d. h. m.
March. d. h. m. 21 23 55	○	12 2 26	11 19 55	March. d. h. m. 21 17 22	JAN. .	24 11 59	24 15 47
	JAN. .	26 20 48	27 7 38		FEB. .	23 0 43	23 9 53
	FEB. .	25 9 32	25 17 48		MAR. .	23 13 27	24 1 45
	MAR. .	26 22 17	27 2 17		APRIL	22 2 11	22 14 45
	APRIL	25 11 1	25 9 45		○	6 20 33	6 12 37
	MAY .	24 23 45	24 17 13		MAY .	21 14 55	22 1 5
	JUNE .	23 12 29	23 1 45		JUNE .	20 3 39	20 9 26
	○	8 6 51	8 14 23		JULY .	19 16 23	19 16 55
	JULY .	23 1 13	22 12 23		AUG. .	18 5 7	18 0 34
	AUG. .	21 13 57	21 1 48		SEPT. .	16 17 51	16 9 16
	SEPT. .	20 2 41	19 18 2		OCT. .	16 6 35	15 19 44
	OCT. .	19 15 25	19 12 25		○	31 0 57	31 7 59
	NOV. .	18 4 9	18 7 34		NOV. .	14 19 19	14 8 22
	DEC. .	17 16 53	18 1 58		DEC. .	14 8 3	13 23 14
150. E.	JAN. .	16 5 38	16 18 17	153. A.	JAN. .	12 20 48	12 15 55
	FEB. .	14 18 22	15 7 46		FEB. .	11 9 32	11 9 37
22 5 44	MAR. .	16 7 6	16 18 27	21 23 11	MAR. .	12 22 16	13 3 12
	APRIL	14 19 50	15 2 52		APRIL	11 11 0	11 19 33
	MAY .	14 8 34	14 9 54		○	26 5 22	26 1 37
	JUNE .	12 21 18	12 16 39		MAY .	10 23 44	11 9 52
	JULY .	12 10 2	12 0 8		JUNE .	9 12 28	9 21 54
	AUG. .	10 22 46	10 9 30		JULY .	9 1 12	9 8 1
	SEPT. .	9 11 30	8 21 36		AUG. .	7 13 56	7 16 59
	OCT. .	9 0 14	8 12 49		SEPT. .	6 2 40	6 1 43
	NOV. .	7 12 58	7 6 44		OCT. .	5 15 24	5 11 0
	○	22 7 20	22 8 16		NOV. .	4 4 8	3 21 21
	DEC. .	7 1 42	7 2 12		DEC. .	3 16 52	3 9 2
151. D.	JAN. .	5 14 26	5 21 31	154. G.	JAN. .	2 5 36	1 22 3
	FEB. .	4 3 10	4 15 6			31 18 20	31 12 24
22 11 33	MAR. .	5 15 54	6 5 53		FEB. .	...	...
	APRIL	4 4 38	4 17 33			2 7 4	2 3 49
	MAY .	3 17 22	4 2 36	22 5 0	MAR.○	17 1 26	17 10 31
	○	18 11 44	18 6 33			31 19 48	31 19 54
	JUNE .	2 6 6	2 9 56		APRIL	30 8 32	30 11 55
	JULY .	1 18 50	1 16 39		MAY .	29 21 16	30 3 8
		31 7 34	30 23 52		JUNE .	28 10 0	28 16 58
	AUG. .	29 20 18	29 8 35		JULY .	27 22 44	28 5 17
	SEPT. .	28 9 2	27 19 39		AUG. .	26 11 28	26 16 23
	OCT. .	27 21 46	27 9 32		SEPT. .	25 0 12	25 2 50
	○	11 16 8	11 22 49		OCT. .	24 12 56	24 13 12
	NOV. .	26 10 30	26 2 9		NOV. .	23 1 40	22 23 50
	DEC. .	25 23 14	25 20 41		DEC. .	22 14 24	22 10 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 155. F. March. *d. h. m.* 22 10 48	JAN.	21 3 9	20 22 19
	FEB.	19 15 53	19 10 18
	○	6 10 15	7 0 6
	MAR.	21 4 37	20 23 9
	APRIL	19 17 21	19 13 1
	MAY	19 6 5	19 3 51
	JUNE	17 18 49	17 19 12
	JULY	17 7 33	17 10 28
	AUG.	15 20 17	16 1 5
	○	30 14 39	30 1 33
	SEPT.	14 9 1	14 14 43
	OCT.	13 21 45	14 3 24
	NOV.	12 10 29	12 15 19
	DEC.	11 23 13	12 2 37
156. E.D. 21 16 37	JAN.	10 11 57	10 13 16
	FEB.	9 0 41	8 23 28
	○	23 19 3	24 6 42
	MAR.	9 13 25	9 9 28
	APRIL	8 2 9	7 19 52
	MAY	7 14 53	7 7 20
	JUNE	6 3 37	5 20 23
	JULY	5 16 21	5 11 5
	AUG.	4 5 5	4 3 3
	○	18 23 27	18 16 6
	SEPT.	2 17 49	2 19 31
	OCT.	2 6 33	2 11 40
		31 19 17	
	NOV.	30 8 1	1 2 51 / 30 16 38
	DEC.	29 20 45	30 4 52
157. C. 21 22 26	JAN.	28 9 30	28 15 35
	FEB.	26 22 14	27 0 58
	MAR.	28 10 58	28 9 30
	APRIL	26 23 42	26 17 58
	MAY	26 12 26	26 3 18
	JUNE	25 1 10	24 14 24
	JULY	24 13 54	24 3 50
	AUG.	23 2 38	22 19 39
	SEPT.	21 15 22	21 13 10
	OCT.	21 4 6	21 7 17
	NOV.	19 16 50	20 0 46
	DEC.	19 5 34	19 16 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 158. B. March. *d. h. m.* 22 4 15	○	2 23 57	2 16 17
	JAN.	17 18 19	18 6 3
	FEB.	16 7 3	16 17 10
	MAR.	17 19 47	18 2 14
	APRIL	16 8 31	16 9 55
	MAY	15 21 15	15 17 8
	JUNE	14 9 59	14 0 55
	○	29 4 21	29 12 21
	JULY	13 22 43	13 10 21
	AUG.	12 11 27	11 22 20
	SEPT.	11 0 11	10 13 17
	OCT.	10 12 55	10 6 51
	NOV.	9 1 39	9 1 56
	DEC.	8 14 23	8 21 1
	○	23 8 45	23 3 0
159. A. 22 10 4	JAN.	7 3 7	7 14 32
	FEB.	5 15 51	6 5 28
	MAR.	7 4 35	7 17 25
	APRIL	5 17 19	6 2 45
	MAY	5 6 3	5 10 16
	JUNE	3 18 47	3 16 57
	○	18 13 9	18 16 38
	JULY	3 7 31	2 23 55
	AUG.	1 20 15	1 8 16
		31 8 59	30 18 59
	SEPT.	29 21 43	29 8 43
	OCT.	29 10 27	29 1 26
	NOV.	27 23 11	27 20 20
	○	12 17 33	12 18 11
	DEC.	27 11 55	27 15 56
160. G.F. 21 15 53	JAN.	26 0 40	26 10 31
	FEB.	24 13 24	25 2 43
	MAR.	25 2 8	25 15 53
	APRIL	23 14 52	24 2 5
	MAY	23 3 36	23 10 7
	○	6 21 58	6 17 18
	JUNE	21 16 20	21 17 2
	JULY	21 5 4	20 23 57
	AUG.	19 17 48	19 7 56
	SEPT.	18 6 32	17 17 50
	OCT.	17 19 16	17 6 21
	NOV.	16 8 0	15 21 40
	DEC.	15 20 44	15 15 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 161.		d. h. m.	d. h. m.
E. March. d. h. m. 21 21 41	JAN.	14 9 29	14 10 10
	FEB.	12 22 18	13 4 47
	MAR.	14 10 57	14 21 46
	APRIL	12 23 41	13 12 10
	MAY	12 12 25	12 23 46
	JUNE	11 1 9	11 9 4
	JULY	10 13 58	10 16 58
	AUG.	9 2 37	9 0 34
	SEPT.	7 15 21	7 8 48
	OCT.	7 4 5	6 18 29
	○	21 22 27	22 8 51
	NOV.	5 16 49	5 6 5
	DEC.	5 5 33	4 19 49
162. D. 22 8 30	JAN.	3 18 17	3 11 29
	FEB.	2 7 1	2 4 38
	MAR.	3 19 45	3 22 6
	APRIL	2 8 29	2 15 1
	○	17 2 51	17 1 32
	MAY	1 21 18	2 6 21
		31 9 57	31 19 35
	JUNE	29 22 41	30 6 43
	JULY	29 11 25	29 16 20
	AUG.	28 0 9	28 1 18
	SEPT.	26 12 58	26 10 27
	○	11 7 15	11 4 30
	OCT.	26 1 37	25 20 23
	NOV.	24 14 21	24 7 26
	DEC.	24 3 5	23 19 42
163. C. 22 9 19	JAN.	22 15 50	22 9 12
	FEB.	21 4 34	20 23 50
	MAR.	22 17 18	22 15 22
	○	6 11 40	6 18 33
	APRIL	21 6 2	21 7 18
	MAY	20 18 46	20 22 55
	JUNE	19 7 30	19 13 33
	JULY	18 20 14	19 2 48
	AUG.	17 8 58	17 14 44
	SEPT.	15 21 42	16 1 42
	○	30 16 4	30 4 44
	OCT.	15 10 26	15 12 18
	NOV.	13 23 10	13 22 57
	DEC.	13 11 54	13 9 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 164.		d. h. m.	d. h. m.
B.A. March. d. h. m. 21 15 7	JAN.	12 0 39	11 20 53
	FEB.	10 13 23	10 8 21
	MAR.	11 2 7	10 20 26
	APRIL	9 14 51	9 9 28
	MAY	9 3 35	8 23 38
	JUNE	7 16 19	7 14 43
	JULY	7 5 8	7 6 11
	AUG.	5 17 47	5 21 22
	SEPT.	4 6 31	4 11 48
	OCT.	3 19 15	4 1 15
	NOV.	2 7 59	2 13 47
	DEC.	1 20 43	2 1 30
		31 9 27	31 12 27
165. G. 21 20 56	JAN.	29 22 11	29 22 45
	○	13 16 33	14 2 8
	FEB.	23 10 55	28 8 33
	MAR.	29 23 39	29 18 24
	APRIL	23 12 23	28 4 59
	MAY	28 1 7	27 17 0
	JUNE	26 13 51	26 6 49
	JULY	26 2 35	25 22 17
	○	9 20 57	9 16 3
	AUG.	24 15 19	24 14 48
	SEPT.	23 4 3	23 7 28
	OCT.	22 16 47	22 23 30
	NOV.	21 5 31	21 14 12
	DEC.	20 18 15	21 3 21
166. F. 22 2 45	JAN.	19 7 0	19 14 46
	○	3 1 22	3 1 47
	FEB.	17 19 44	18 0 37
	MAR.	19 8 28	19 9 18
	APRIL	17 21 12	17 17 29
	MAY	17 9 56	17 2 4
	JUNE	15 22 40	15 12 2
	JULY	15 11 24	15 0 14
	○	30 5 46	30 8 42
	AUG.	14 0 8	13 14 58
	SEPT.	12 12 52	12 7 53
	OCT.	12 1 36	12 2 3
	NOV.	10 14 20	10 20 13
	DEC.	10 3 4	10 13 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 167. E. March. d. h. m. 22 8 34	JAN.	8 15 48	9 8 50
	○	28 10 10	28 4 2
	FEB.	7 4 32	7 16 4
	MAR.	8 17 16	9 1 57
	APRIL	7 6 0	7 10 5
	MAY	6 18 44	6 17 17
	JUNE	5 7 28	5 0 32
	JULY	4 20 12	4 8 57
	○	19 14 31	19 21 33
	AUG.	3 8 56	2 19 35
	SEPT.	1 21 40	1 9 7
	OCT.	1 10 24	1 1 34
		30 23 8	30 20 11
	NOV.	29 11 52	29 15 35
	DEC.	29 0 36	29 10 7
168. D.C. 21 14 23	JAN.	27 13 21	28 2 25
	FEB.	26 2 5	26 15 46
	MAR.	26 14 49	27 2 15
	APRIL	25 3 33	25 10 28
	MAY	24 16 17	24 17 23
	JUNE	23 5 1	23 0 4
	JULY	22 17 45	22 7 37
	AUG.	21 6 29	20 17 7
	SEPT.	19 19 13	19 5 23
	OCT.	19 7 57	18 20 43
	NOV.	17 20 41	17 14 42
	○	2 15 3	2 17 14
	DEC.	17 9 25	17 10 7
169. B. 21 20 12	JAN.	15 22 10	16 5 23
	FEB.	14 10 54	14 22 49
	MAR.	15 23 38	16 13 26
	APRIL	14 12 22	15 1 0
	MAY	14 1 6	14 9 59
	○	28 19 28	28 13 17
	JUNE	12 13 50	12 17 21
	JULY	12 2 34	12 0 14
	AUG.	10 15 18	10 7 39
	SEPT.	9 4 2	8 16 37
	OCT.	8 16 46	8 3 52
	NOV.	7 5 30	6 17 50
	○	21 23 52	22 7 34
	DEC.	6 18 14	6 10 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 170. A. March. d. h. m. 22 2 0	JAN.	5 6 58	5 4 18
	FEB.	3 19 42	3 23 24
	MAR.	5 8 26	5 17 11
	APRIL	3 21 10	4 8 50
	MAY	3 9 54	3 21 49
	○	18 4 16	17 19 40
	JUNE	1 22 38	2 8 12
	JULY	1 11 22	1 16 48
		31 0 6	31 0 34
	AUG.	29 12 50	29 8 34
	SEPT.	28 1 34	27 17 38
	OCT.	27 14 18	27 4 20
	○	11 8 40	11 16 13
	NOV.	26 3 2	25 16 59
	DEC.	25 15 46	25 7 36
171. G. 22 7 49	JAN.	24 4 31	23 23 52
	FEB.	22 17 15	22 17 2
	MAR.	24 5 59	24 10 10
	APRIL	22 18 43	23 2 17
	○	7 13 5	7 9 4
	MAY	22 7 27	22 16 36
	JUNE	20 20 11	21 4 50
	JULY	20 8 55	20 15 20
	AUG.	18 21 39	19 0 44
	SEPT.	17 10 23	17 9 57
	OCT.	16 23 7	16 19 38
	NOV.	15 11 51	15 6 12
	DEC.	15 0 35	14 17 50
172. F.E. 21 13 33	JAN.	13 13 20	13 6 32
	FEB.	12 2 4	11 20 21
	MAR.	12 14 48	12 11 10
	○	27 9 10	27 18 25
	APRIL	11 3 32	11 2 43
	MAY	10 16 16	10 18 27
	JUNE	9 5 0	9 9 33
	JULY	8 17 44	8 23 46
	AUG.	7 6 23	7 12 34
	SEPT.	5 19 12	6 0 14
	OCT.	5 7 56	5 11 14
	NOV.	3 20 40	3 22 1
	DEC.	3 9 24	3 8 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 173. D. March. *d. h. m.* 21 19 27	JAN.	1 22 8	1 19 44
		31 10 52	31 6 47
	FEB.	...	...
	MAR. ○	1 23 36	1 18 14
		16 17 58	17 7 47
		31 12 20	31 6 27
	APRIL	30 1 4	29 19 48
	MAY	29 13 48	29 10 19
	JUNE	28 2 32	28 1 39
	JULY	27 15 16	27 17 18
	AUG.	26 4 0	26 8 21
	○	9 22 22	9 9 18
	SEPT.	24 16 44	24 22 35
	OCT.	24 5 28	24 11 51
	NOV.	22 18 12	23 0 8
	DEC.	22 6 56	22 11 32
174. C. 22 1 16	JAN.	20 19 41	20 22 3
	FEB.	19 8 25	19 7 51
	○	6 2 47	6 14 8
	MAR.	20 21 9	20 17 20
	APRIL	19 9 53	19 3 12
	MAY	18 22 37	18 14 14
	JUNE	17 11 21	17 3 0
	JULY	17 0 5	16 17 42
	AUG.	15 12 49	15 9 55
	○	30 7 11	30 0 7
	SEPT.	14 1 33	14 2 51
	OCT.	13 14 17	13 19 34
	NOV.	12 3 1	12 11 15
	DEC.	11 15 45	12 1 21
175. B. 22 7 5	JAN.	10 4 30	10 13 37
	FEB.	8 17 14	9 0 8
	MAR.	10 5 58	10 9 9
	APRIL	8 18 42	8 17 17
	MAY	8 7 26	8 1 21
	JUNE	6 20 10	6 10 22
	JULY	6 8 54	5 21 17
	AUG.	4 21 38	4 10 45
	SEPT.	3 10 22	3 2 46
	OCT.	2 23 6	2 20 39
	NOV.	1 11 50	1 15 11
	DEC.	1 0 34	1 9 1
		30 13 18	31 1 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 176. A.G. March. *d. h. m.* 21 12 53	○	14 7 40	14 0 36
	JAN.	29 2 2	29 14 28
	FEB.	27 14 46	28 1 22
	MAR.	28 3 30	28 10 9
	APRIL	26 16 14	26 17 33
	MAY	26 4 58	26 0 32
	JUNE	24 17 42	24 8 11
	○	9 12 4	9 19 18
	JULY	24 6 26	23 17 35
	AUG.	22 19 10	22 5 39
	SEPT.	21 7 54	20 20 46
	OCT.	20 20 38	20 14 33
	NOV.	19 9 22	19 9 52
	DEC.	18 22 6	19 5 4
177. F. 21 18 42	○	2 16 29	2 11 47
	JAN.	17 10 51	17 22 39
	FEB.	15 23 35	16 13 29
	MAR.	17 12 19	18 1 15
	APRIL	16 1 3	16 10 24
	MAY	15 13 47	15 17 47
	JUNE	14 2 31	14 0 24
	○	28 20 53	28 23 9
	JULY	13 15 15	13 7 25
	AUG.	12 3 59	11 15 54
	SEPT.	10 16 43	10 2 47
	OCT.	10 5 27	9 16 39
	NOV.	8 18 11	8 9 27
	DEC.	8 6 55	8 4 19
	○	23 1 17	23 3 8
178. E. 22 0 31	JAN.	6 19 40	6 23 50
	FEB.	5 8 24	5 18 16
	MAR.	6 21 8	7 10 17
	APRIL	5 9 52	5 23 16
	MAY	4 22 36	5 9 26
	JUNE	3 11 20	3 17 29
	○	18 5 42	17 23 47
	JULY	3 0 4	3 0 33
	AUG.	1 12 48	1 7 39
		31 1 32	30 15 54
	SEPT.	29 14 16	29 2 4
	OCT.	29 3 0	28 14 43
	NOV.	27 15 44	27 5 58
	DEC.	27 4 28	26 23 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 179.		d. h. m.	d. h. m.
D. March. d. h. m. 22 6 20	JAN.	25 17 12	25 17 54
	FEB.	24 5 56	24 12 10
	MAR.	25 18 40	26 4 52
	APRIL	24 7 24	24 19 9
	MAY	23 20 8	24 6 49
	JUNE	22 8 52	22 16 18
	JULY	21 21 36	22 0 30
	AUG.	20 10 20	20 8 28
	SEPT.	18 23 4	18 17 6
	OCT.	18 11 48	18 3 4
	○	2 6 10	2 11 52
	NOV.	17 0 32	16 14 46
	DEC.	16 13 16	16 4 21
180. C.B. 21 12 9	JAN.	15 2 1	14 19 30
	FEB.	13 14 45	13 12 12
	MAR.	14 3 29	14 5 13
	APRIL	12 16 13	12 21 47
	○	27 10 35	27 9 8
	MAY	12 4 57	12 13 1
	JUNE	10 17 41	11 2 23
	JULY	10 6 25	10 13 51
	AUG.	8 19 9	8 23 55
	SEPT.	7 7 53	7 9 23
	OCT.	6 20 37	6 19 0
	○	21 14 59	21 12 11
	NOV.	5 9 21	5 5 14
	DEC.	4 22 5	4 16 20
181. A. 21 17 58	JAN.	3 10 49	3 4 21
	FEB.	1 23 33	1 17 22
	MAR.	3 12 17	3 7 25
	APRIL	2 1 1	1 22 21
	○	16 19 23	17 2 6
	MAY	1 13 45	1 13 52
		31 2 29	31 5 21
	JUNE	29 15 13	29 20 11
	JULY	29 3 57	29 9 50
	AUG.	27 16 41	27 22 19
	SEPT.	26 5 25	26 9 53
	○	10 23 47	10 12 30
	OCT.	25 18 9	25 20 59
	NOV.	24 6 53	24 7 53
	DEC.	23 19 37	23 18 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 182.		d. h. m.	d. h. m.
G. March. d. h. m. 21 23 46	JAN.	22 8 22	22 5 33
	FEB.	20 21 6	20 16 30
	MAR.	22 9 50	22 3 59
	APRIL	20 22 34	20 16 27
	MAY	20 11 18	20 6 14
	JUNE	19 0 2	18 21 9
	JULY	18 12 46	18 12 47
	AUG.	17 1 30	17 4 24
	SEPT.	15 14 14	15 19 25
	OCT.	15 2 58	15 9 29
	NOV.	13 15 42	13 22 29
	DEC.	13 4 26	13 10 24
183. F 22 5 35	JAN.	11 17 10	11 21 17
	FEB.	10 5 54	10 7 15
	○	25 0 16	25 9 33
	MAR.	11 18 39	11 16 37
	APRIL	10 7 23	10 1 57
	MAY	9 20 7	9 12 3
	JUNE	8 8 51	7 23 45
	JULY	7 21 35	7 13 27
	AUG.	6 10 19	6 5 3
	○	21 4 41	20 23 59
	SEPT.	4 23 3	4 21 56
	OCT.	4 11 47	4 15 9
	NOV.	3 0 31	3 7 42
	DEC.	2 13 15	2 22 50
184. E.D. 21 11 24	JAN.	1 1 59	1 12 4
		30 14 43	30 23 22
	○	14 9 5	14 9 18
	FEB.	29 3 27	29 8 55
	MAR.	29 16 11	29 17 12
	APRIL	28 4 55	28 1 0
	MAY	27 17 39	27 9 15
	JUNE	26 6 23	25 19 1
	JULY	25 19 7	25 7 10
	○	9 13 29	9 16 23
	AUG.	24 7 51	23 22 0
	SEPT.	22 20 35	22 15 14
	OCT.	22 9 19	22 9 48
	NOV.	20 22 3	21 4 20
	DEC.	20 10 47	20 21 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 185. C. March. *d h. m.* 21 17 18	JAN. .	18 23 32	19 12 16
	○	2 17 54	2 12 3
	FEB. .	17 12 16	18 0 20
	MAR. .	19 1 0	19 9 59
	APRIL	17 13 44	17 17 49
	MAY .	17 2 28	17 0 47
	JUNE .	15 15 12	15 7 52
	JULY .	15 8 56	14 16 15
	○	29 22 18	30 4 46
	AUG. .	13 16 40	13 2 57
	SEPT. .	12 5 24	11 16 36
	OCT. .	11 18 8	11 9 14
	NOV. .	10 6 52	10 4 3
	DEC. .	9 19 36	9 23 36
186. B. 21 23 2	JAN. .	8 8 21	8 18 12
	FEB. .	6 21 5	7 10 25
	MAR. .	8 9 49	8 23 38
	APRIL	6 22 33	7 9 56
	MAY .	6 11 17	6 18 0
	JUNE .	5 0 1	5 0 50
	JULY .	4 12 45	4 7 32
	AUG. .	3 1 29	2 15 13
	SEPT. .	1 14 13	1 0 55
	OCT. .	1 2 57	30 13 20
		30 15 41	30 4 45
	NOV. .	29 4 25	28 22 44
	○	13 22 47	14 2 12
	DEC. .	28 17 9	28 18 4
187. A. 22 4 51	JAN. .	27 5 58	27 13 6
	FEB. .	25 18 37	26 6 21
	MAR. .	27 7 21	27 20 50
	APRIL	25 20 5	26 8 18
	MAY .	25 8 49	25 17 18
	○	9 8 11	8 19 58
	JUNE .	23 21 33	24 0 45
	JULY .	23 10 17	23 7 50
	AUG. .	21 23 1	21 15 32
	SEPT. .	20 11 45	20 0 48
	OCT. .	20 0 29	19 12 16
	NOV. .	18 13 13	18 2 13
	○	3 7 35	3 16 17
	DEC. .	18 1 57	17 18 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 188. G.F. March. *d. h. m.* 21 10 39	JAN. .	16 14 42	16 12 31
	FEB. .	15 3 26	15 6 53
	MAR. .	15 16 10	16 0 21
	APRIL	14 4 54	14 15 49
	MAY .	13 17 38	14 4 46
	○	28 12 0	28 2 43
	JUNE .	12 6 22	12 15 20
	JULY .	11 19 6	12 0 12
	AUG. .	10 7 50	10 8 21
	SEPT. .	8 20 34	8 16 46
	OCT. .	8 9 18	8 2 10
	NOV. .	6 22 2	6 13 4
	○	21 16 21	22 0 30
	DEC. .	6 10 46	6 1 39
189. E. 21 16 28	JAN. .	4 23 30	4 15 58
	FEB. .	3 12 14	3 7 42
	MAR. .	5 0 59	5 0 20
	APRIL	3 13 43	3 17 2
	MAY .	3 2 27	3 8 56
	○	17 20 49	17 16 30
	JUNE .	1 15 11	1 23 17
	JULY .	1 3 55	1 11 48
		30 16 39	30 22 43
	AUG. .	29 5 23	29 8 39
	SEPT. .	27 18 7	27 18 21
	OCT. .	27 6 51	27 4 25
	NOV. .	25 19 35	25 15 8
	DEC. .	25 8 19	25 2 38
190. D. 21 22 17	JAN. .	23 21 3	23 14 57
	FEB. .	22 9 47	22 4 10
	MAR. .	23 22 31	23 18 22
	○	7 16 53	8 2 10
	APRIL	22 11 15	22 9 26
	MAY .	21 23 59	22 0 54
	JUNE .	20 12 43	20 16 9
	JULY .	20 1 27	20 6 36
	AUG. .	18 14 11	18 19 55
	SEPT. .	17 2 55	17 8 12
	OCT. .	16 15 39	16 19 44
	NOV. .	15 4 23	15 6 54
	DEC. .	14 17 7	14 17 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 191. C. March. d. h. m. 22 4 6	JAN.	13 5 52	13 4 31
	FEB.	11 18 36	11 15 10
	MAR.	13 7 20	13 2 3
	○	28 1 42	28 15 21
	APRIL	11 20 4	11 13 40
	MAY	11 8 48	11 2 32
	JUNE	9 21 32	9 16 48
	JULY	9 10 16	9 8 11
	AUG.	7 23 0	8 0 4
	SEPT.	6 11 44	6 15 43
	○	21 6 6	20 17 24
	OCT.	6 0 28	6 6 36
	NOV.	4 13 12	4 20 23
	DEC.	4 1 56	4 8 59
192. B.A. 21 9 55	JAN.	2 14 41	2 20 26
	FEB.	1 3 25	1 6 42
	MAR. ○	1 16 9	1 16 6
		16 10 31	16 21 23
		31 4 53	31 1 6
	APRIL	29 17 37	29 10 29
	MAY	29 6 21	28 21 7
	JUNE	27 19 5	27 9 41
	JULY	27 7 49	27 0 24
	AUG.	25 20 33	25 16 54
	○	9 14 55	9 8 18
	SEPT.	24 9 17	24 10 18
	OCT.	23 22 1	24 3 35
	NOV.	22 10 45	22 19 42
	DEC.	21 23 29	22 10 2
193. G. 21 15 44	JAN.	20 12 13	20 22 17
	FEB.	19 0 57	19 8 32
	MAR.	20 13 41	20 17 12
	APRIL	19 2 25	19 0 56
	MAY	18 15 9	18 8 39
	JUNE	17 3 53	16 17 27
	JULY	16 16 37	16 4 16
	AUG.	15 5 21	14 17 47
	SEPT.	13 18 5	13 10 2
	OCT.	13 6 49	13 4 14
	NOV.	11 19 33	11 23 10
	DEC.	11 8 17	11 17 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 194. F. March. d. h. m. 21 21 32	JAN.	9 21 2	10 9 22
	○	24 15 24	24 8 51
	FEB.	8 9 46	8 22 46
	MAR.	9 22 30	10 9 28
	APRIL	8 11 14	8 17 58
	MAY	7 23 58	8 1 7
	JUNE	6 12 42	6 7 55
	JULY	6 1 26	5 15 31
	○	20 19 48	21 2 18
	AUG.	4 14 10	4 0 58
	SEPT.	3 2 54	2 13 8
	OCT.	2 15 38	2 4 25
	NOV.	1 4 22	31 22 23
		30 17 6	30 17 50
	DEC.	30 5 50	30 13 7
195. E. 22 3 21	○	14 0 13	13 20 31
	JAN.	28 18 35	29 6 39
	FEB.	27 7 19	27 21 20
	MAR.	28 20 3	29 8 57
	APRIL	27 8 47	27 17 57
	MAY	26 21 31	27 1 13
	JUNE	25 10 15	25 7 52
	○	10 4 37	10 5 44
	JULY	24 22 59	24 15 1
	AUG.	23 11 43	22 23 40
	SEPT.	22 0 27	21 10 45
	OCT.	21 13 11	21 0 44
	NOV.	20 1 55	19 17 34
	DEC.	19 14 39	19 12 20
196. D.C. 21 9 10	○	3 9 1	3 12 3
	JAN.	18 3 23	18 7 37
	FEB.	16 16 7	17 1 48
	MAR.	17 4 51	17 17 39
	APRIL	15 17 35	16 6 33
	MAY	15 6 19	15 16 40
	JUNE	13 19 3	14 0 49
	○	28 13 25	28 6 21
	JULY	13 7 47	13 3 8
	AUG.	11 20 31	11 15 28
	SEPT.	10 9 15	10 0 1
	OCT.	9 21 59	9 10 25
	NOV.	8 10 43	7 23 10
	DEC.	7 23 27	7 14 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 197.		d. h. m.	d. h. m.
B. March. d. h. m. 21 14 59	JAN.	6 12 12	6 7 25
	FEB.	5 0 56	5 1 31
	MAR.	6 13 40	6 19 24
	APRIL	5 2 24	5 11 51
	MAY	4 15 8	5 2 3
	JUNE	3 3 52	3 18 49
	JULY	2 16 36	2 23 33
	AUG.	1 5 20	1 8 8
		30 18 4	30 16 30
	SEPT.	29 6 48	29 1 32
	OCT.	28 19 32	28 11 47
	○	12 13 54	12 19 59
	NOV.	27 8 16	26 23 31
	DEC.	26 21 0	26 12 53
198. A. 21 20 48	JAN.	25 9 44	25 3 43
	FEB.	23 22 28	23 19 41
	MAR.	25 11 12	25 12 11
	APRIL	23 23 56	24 4 26
	○	8 18 18	8 16 33
	MAY	23 12 40	23 19 37
	JUNE	22 1 24	22 9 9
	JULY	21 14 8	21 21 1
	AUG.	20 2 52	20 7 36
	SEPT.	18 15 36	18 17 35
	OCT.	18 4 20	18 3 30
	○	1 22 42	1 19 58
	NOV.	16 17 4	16 14 7
	DEC.	16 5 48	16 1 13
199. G. 22 2 37	JAN.	14 18 33	14 12 59
	FEB.	13 7 17	13 1 28
	MAR.	14 20 1	14 14 53
	APRIL	13 8 45	13 5 16
	○	28 3 7	28 9 50
	MAY	12 21 29	12 20 25
	JUNE	11 10 13	11 11 49
	JULY	10 22 57	11 2 51
	AUG.	9 11 41	9 16 59
	SEPT.	8 0 25	8 6 3
	OCT.	7 13 9	7 18 13
	○	22 7 31	21 20 26
	NOV.	6 1 53	6 5 44
	DEC.	5 14 37	5 16 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 200.		d. h. m.	d. h. m.
F.E. March. d. h. m. 21 8 25	JAN.	4 3 22	4 3 38
	FEB.	2 16 6	2 14 7
	MAR.	3 4 50	3 0 33
	APRIL	1 17 34	1 11 27
			30 23 24
	MAY	1 6 18	
		30 19 2	30 12 48
	JUNE	29 7 46	29 3 33
	JULY	28 20 30	28 19 28
	AUG.	27 9 14	27 11 33
	SEPT.	25 21 58	26 3 10
	OCT.	25 10 42	25 17 49
	NOV.	23 23 26	24 7 14
	DEC.	23 12 10	23 19 18
201. D. 21 14 14	JAN.	22 0 54	22 6 3
	FEB.	20 18 38	20 15 40
	○	7 8 0	7 16 50
	MAR.	22 2 22	22 0 33
	APRIL	20 15 6	20 9 23
	MAY	20 3 50	19 19 5
	JUNE	18 16 34	18 6 30
	JULY	18 5 18	17 20 8
	AUG.	16 18 2	16 11 54
	○	31 12 24	31 8 13
	SEPT.	15 6 46	15 5 11
	OCT.	14 19 30	14 22 55
	NOV.	13 8 14	13 15 57
	DEC.	12 20 58	13 7 24
202. C. 21 20 8	JAN.	11 9 43	11 20 45
	FEB.	9 22 27	10 7 52
	○	21 16 49	24 16 42
	MAR.	11 11 11	11 17 6
	APRIL	9 23 55	10 1 1
	MAY	9 12 39	9 8 27
	JUNE	8 1 23	7 16 27
	JULY	7 14 7	7 2 5
	AUG.	6 2 51	5 14 14
	○	20 21 13	21 0 12
	SEPT.	4 15 35	4 5 13
	OCT.	4 4 19	3 22 42
	NOV.	2 17 3	2 17 38
	DEC.	2 5 47	2 12 29
		31 18 31	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 203. B. March. *d. h. m.* 22 1 52	JAN.	...	1 5 46
		30 7 16	30 20 34
	○	14 1 33	13 19 8
	FEB.	28 20 0	1 8 28
	MAR.	30 8 44	30 17 51
	APRIL	28 21 28	29 1 28
	MAY	28 10 12	28 8 13
	JUNE	26 22 56	26 15 15
	JULY	26 11 40	25 23 39
	○	10 6 2	10 12 5
	AUG.	25 0 24	24 10 26
	SEPT.	23 13 8	23 0 15
	OCT.	23 1 52	22 17 2
	NOV.	21 14 36	21 12 0
	DEC.	21 3 20	21 7 36
204. A.G. 21 7 41	JAN.	19 16 5	20 2 9
	FEB.	18 4 49	18 18 17
	MAR.	18 17 32	19 7 20
	APRIL	17 6 16	17 17 29
	MAY	16 19 0	17 1 26
	JUNE	15 7 44	15 8 15
	JULY	14 20 28	14 15 5
	AUG.	13 9 12	12 22 57
	SEPT.	11 21 56	11 8 51
	OCT.	11 10 40	10 21 25
	NOV.	9 23 24	9 12 54
	DEC.	9 12 8	9 6 47
	○	24 6 30	24 11 8
205. F. 21 13 30	JAN.	8 0 53	8 1 56
	FEB.	6 13 37	6 20 44
	MAR.	8 2 21	8 13 46
	APRIL	6 15 5	7 4 4
	MAY	6 3 49	6 15 30
	JUNE	4 16 33	5 0 34
	○	19 10 55	19 2 30
	JULY	4 5 17	4 8 13
	AUG.	2 18 1	2 15 44
	SEPT.	1 6 45	31 23 36
		30 19 29	30 9 9
	OCT.	30 8 13	29 20 45
	NOV.	28 20 57	28 10 43
	○	13 15 19	14 1 1
	DEC.	28 9 41	28 2 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 206. E. March. *d. h. m.* 21 19 18	JAN.	26 22 26	26 20 18
	FEB.	25 11 10	25 14 13
	MAR.	26 23 54	27 7 20
	APRIL	25 12 33	25 22 40
	MAY	25 1 22	25 11 40
	○	8 19 44	8 9 46
	JUNE	23 14 6	23 22 27
	JULY	23 2 50	23 7 40
	AUG.	21 15 34	21 16 15
	SEPT.	20 4 18	20 1 5
	OCT.	19 17 2	19 10 49
	NOV.	18 5 46	17 21 51
	○	3 0 8	3 8 47
	DEC.	17 18 30	17 10 21
207. D. 22 1 7	JAN.	16 7 14	16 0 16
	FEB.	14 19 58	14 15 27
	MAR.	16 8 42	16 7 30
	APRIL	14 21 26	14 23 46
	MAY	14 10 10	14 15 28
	○	29 4 32	8 23 53
	JUNE	12 22 54	13 5 55
	JULY	12 11 38	12 18 46
	AUG.	11 0 22	11 6 10
	SEPT.	9 13 6	9 16 39
	OCT.	9 1 50	9 2 52
	NOV.	7 14 34	7 13 15
	DEC.	7 3 18	7 0 4
208. C.B. 21 6 56	JAN.	5 16 3	5 11 24
	FEB.	4 4 47	3 23 17
	MAR.	4 17 31	4 11 54
	APRIL	3 6 15	3 1 29
	○	18 0 37	18 9 49
	MAY	2 18 59	2 16 6
	JUNE	1 7 43	1 7 21
		30 20 27	30 22 42
	JULY	30 9 11	30 13 30
	AUG.	28 21 55	29 3 24
	SEPT.	27 10 39	27 16 17
	OCT.	26 23 23	27 4 21
	NOV.	25 12 7	25 15 49
	DEC.	25 0 51	25 2 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 209. A. March. d. h. m. 21 12 45	JAN.	23 18 35	23 18 14
	FEB.	22 2 19	21 23 25
	MAR.	23 15 8	23 9 44
	○	7 9 25	7 22 45
	APRIL	22 8 47	21 20 48
	MAY	21 16 31	21 9 15
	JUNE	20 5 15	19 23 18
	JULY	19 17 59	19 14 46
	AUG.	18 6 43	18 7 0
	SEPT.	16 19 27	16 23 13
	○	1 13 49	1 1 37
	OCT.	16 8 11	16 14 42
	NOV.	14 20 55	15 4 58
	DEC.	14 9 39	14 17 49
210. G. 21 18 34	JAN.	12 22 24	13 5 14
	FEB.	11 11 8	11 15 14
	MAR.	12 23 52	13 0 12
	○	27 18 14	28 4 28
	APRIL	11 12 36	11 8 44
	MAY	11 1 20	10 17 41
	JUNE	9 14 4	9 4 0
	JULY	9 2 48	8 16 24
	AUG.	7 15 32	7 7 13
	SEPT.	6 4 16	6 0 0
	○	20 22 38	20 16 37
	OCT.	5 17 0	5 17 51
	NOV.	4 5 44	4 11 38
	DEC.	3 18 28	4 4 8
211. F. 22 0 23	JAN.	2 7 13	2 18 39
		31 19 57	...
	FEB.	...	1 6 49
	MAR.	2 8 41	2 16 49
		31 21 25	1 1 7
	APRIL	30 10 9	30 8 30
	MAY	29 22 58	29 15 58
	JUNE	28 11 37	28 0 35
	JULY	28 0 21	27 11 22
	AUG.	26 13 5	26 0 59
	SEPT.	25 1 49	24 17 26
	OCT.	24 14 33	24 11 58
	NOV.	23 3 17	23 7 10
	DEC.	22 16 1	23 1 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 212. E.D. March. d. h. m. 21 6 11	JAN.	21 4 46	21 17 38
	○	4 23 8	4 17 1
	FEB.	19 17 30	20 6 56
	MAR.	20 6 13	20 17 23
	APRIL	18 18 57	19 1 38
	MAY	18 7 41	18 8 36
	JUNE	16 20 25	16 15 19
	JULY	16 9 9	15 22 55
	○	31 3 31	31 9 21
	AUG.	14 21 53	14 8 28
	SEPT.	13 10 37	12 20 48
	OCT.	12 23 21	12 12 13
	NOV.	11 12 5	11 6 17
	DEC.	11 0 49	11 1 48
213. C. 21 12 0	JAN.	9 13 34	9 21 4
	○	24 7 56	24 5 8
	FEB.	8 2 18	8 14 28
	MAR.	9 15 2	10 5 1
	APRIL	8 3 46	8 16 29
	MAY	7 16 30	8 1 22
	JUNE	6 5 14	6 8 38
	JULY	5 17 58	5 15 23
	○	20 12 20	20 12 21
	AUG.	4 6 42	3 22 41
	SEPT.	2 19 26	2 7 35
	OCT.	2 8 10	1 18 51
		31 20 54	31 8 57
	NOV.	30 9 38	30 1 41
	DEC.	29 22 22	29 20 17
214. B. 21 17 49	○	13 16 44	13 20 53
	JAN.	28 11 6	28 15 17
	FEB.	26 23 50	27 9 13
	MAR.	28 12 35	29 0 53
	APRIL	27 1 19	27 13 42
	MAY	26 14 3	26 23 53
	JUNE	25 2 47	25 8 12
	○	9 21 9	9 12 58
	JULY	24 15 31	24 15 41
	AUG.	23 4 15	22 23 26
	SEPT.	21 16 59	21 8 19
	OCT.	21 5 43	20 18 56
	NOV.	19 18 27	19 7 44
	DEC.	19 7 11	18 22 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 215.		d. h. m.	d. h. m.
A. March. d. h. m. 21 23 38	JAN.	17 19 55	17 15 23
	FEB.	16 8 39	16 9 0
	MAR.	17 21 23	18 2 27
	APRIL	16 10 7	16 18 39
	MAY	15 22 51	16 8 50
	JUNE	14 11 35	14 20 46
	JULY	14 0 19	14 6 50
	AUG.	12 13 8	12 15 51
	SEPT.	11 1 47	11 0 41
	OCT.	10 14 31	10 10 5
	NOV.	9 3 15	8 20 34
	DEC.	8 15 59	8 8 19
216. G.F. 21 5 27	JAN.	7 4 44	6 21 23
	FEB.	5 17 28	5 11 43
	MAR.	6 6 12	6 3 5
	APRIL	4 18 56	4 19 5
	MAY	4 7 40	4 11 1
	○	19 2 2	19 0 7
	JUNE	2 20 24	3 2 9
	JULY	2 9 8	2 15 57
		31 21 52	1 4 16
	AUG.	30 10 36	30 15 24
	SEPT.	28 23 20	29 1 56
	OCT.	28 12 4	28 12 24
	○	12 6 26	12 3 51
	NOV.	27 0 48	26 23 5
	DEC.	26 13 32	26 10 7
217. E. 21 11 16	JAN.	25 2 17	24 21 31
	FEB.	23 15 1	23 9 27
	MAR.	25 3 45	24 22 15
	APRIL	23 16 29	23 12 5
	○	8 10 51	8 17 22
	MAY	23 5 13	23 2 54
	JUNE	21 17 57	21 18 16
	JULY	21 6 41	21 9 34
	AUG.	19 19 25	20 0 12
	SEPT.	18 8 9	18 13 54
	OCT.	17 20 53	18 2 38
	○	1 15 15	1 4 31
	NOV.	16 9 37	16 14 34
	DEC.	15 22 21	16 1 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 218.		d. h. m.	d. h. m.
D. March. d. h. m. 21 17 4	JAN.	14 11 5	14 12 27
	FEB.	12 23 49	12 22 33
	MAR.	14 12 33	14 8 28
	APRIL	13 1 17	12 18 48
	MAY	12 14 1	12 6 16
	JUNE	11 2 45	10 19 22
	JULY	10 15 29	10 10 10
	AUG.	9 4 13	9 2 15
	SEPT.	7 16 57	7 18 48
	OCT.	7 5 41	7 11 2
	NOV.	5 18 25	6 2 13
	DEC.	5 7 9	5 15 58
219. C. 21 22 53	JAN.	3 19 54	4 4 8
	FEB.	2 8 38	2 14 42
	MAR.	3 21 22	3 23 57
	APRIL	2 10 6	2 8 22
	MAY	1 22 50	1 16 47
		31 11 34	31 2 8
	JUNE	30 0 18	29 13 20
	JULY	29 13 2	29 2 57
	AUG.	28 1 46	27 18 55
	○	11 20 8	11 16 14
	SEPT.	26 14 30	26 12 36
	OCT.	26 3 14	26 6 48
	NOV.	24 15 58	25 0 15
	DEC.	24 4 42	24 15 56
220. B.A. 21 4 42	JAN.	22 17 27	23 5 17
	FEB.	21 6 11	21 16 13
	○	7 0 33	7 0 0
	MAR.	21 18 55	22 1 7
	APRIL	20 7 39	20 8 42
	MAY	19 20 23	19 15 52
	JUNE	18 9 7	17 23 41
	JULY	17 21 51	17 9 15
	AUG.	16 10 35	15 21 27
	○	31 4 57	31 8 8
	SEPT.	14 23 19	14 12 37
	OCT.	14 12 3	14 6 21
	NOV.	13 0 47	13 1 32
	DEC.	12 13 31	12 20 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 221. G. March. *d. h. m.* 21 10 31	JAN. .	11 2 15	11 13 59
	FEB. .	9 14 59	10 4 41
	○	24 9 21	24 3 47
	MAR. .	11 3 43	11 16 25
	APRIL	9 16 27	10 1 35
	MAY .	9 5 11	9 8 59
	JUNE .	7 17 55	7 15 39
	JULY .	7 6 39	6 22 40
	AUG. .	5 19 23	5 7 10
	○	20 13 45	20 19 28
	SEPT. .	4 8 7	3 18 5
	OCT. .	3 20 51	3 8 4
	NOV. .	2 9 35	2 0 57
	DEC. .	1 22 19	1 19 57
		31 11 3	31 15 30
222. F. 21 16 20	JAN. .	29 23 48	30 9 58
	FEB. .	28 12 32	...
	MAR. .	...	1 1 56
		30 1 16	30 14 52
	APRIL	28 14 0	29 0 54
	MAY .	28 2 44	28 8 50
	JUNE .	26 15 28	26 15 45
	JULY .	26 4 12	25 22 44
	AUG. .	24 16 56	24 6 50
	SEPT. .	23 5 40	22 16 57
	OCT. .	22 18 24	22 5 41
	NOV. .	21 7 8	20 21 9
	DEC. .	20 19 52	20 14 52
223. E. 21 22 9	○	4 14 14	4 20 1
	JAN. .	19 8 36	19 9 41
	FEB. .	17 21 20	18 4 11
	MAR. .	19 10 4	19 20 59
	APRIL	17 22 48	18 11 10
	MAY .	17 11 32	17 22 37
	JUNE .	16 0 16	16 7 49
	○	30 18 38	30 9 10
	JULY .	15 13 0	15 15 43
	AUG. .	14 1 44	13 23 23
	SEPT. .	12 14 28	12 7 47
	OCT. .	12 3 12	11 17 38
	NOV. .	10 15 56	10 5 22
	DEC. .	10 4 40	9 19 12
	○	24 23 2	25 9 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 224. D.C. March. *d. h. m.* 21 3 57	JAN. .	8 17 25	8 10 57
	FEB. .	7 6 9	7 3 58
	MAR. .	7 18 53	7 21 25
	APRIL	6 7 37	6 14 12
	MAY .	5 20 21	6 5 24
	JUNE .	4 9 5	4 18 29
	○	19 3 27	18 16 51
	JULY .	3 21 49	4 5 34
	AUG. .	2 10 33	2 15 12
		31 23 17	1 0 15
	SEPT. .	30 12 1	30 9 31
	OCT. .	30 0 45	29 19 35
	NOV. .	28 13 29	28 6 43
	○	13 7 51	13 17 2
	DEC. .	28 2 13	27 19 1
225. B. 21 9 46	JAN. .	26 14 58	26 8 30
	FEB. .	25 3 42	24 23 6
	MAR. .	26 16 26	26 14 34
	APRIL	25 5 10	25 6 25
	MAY .	24 17 54	24 21 59
	○	8 12 16	8 7 16
	JUNE .	23 6 38	23 12 33
	JULY .	22 19 22	23 1 48
	AUG. .	21 8 6	21 13 45
	SEPT. .	19 20 50	20 0 48
	OCT. .	19 9 34	19 11 29
	NOV. .	17 22 18	17 22 11
	DEC. .	17 11 2	17 9 2
226. A. 21 15 35	JAN. .	15 23 46	15 20 5
	FEB. .	14 12 30	14 7 29
	MAR. .	16 1 14	15 19 31
	APRIL	14 13 58	14 8 31
	MAY .	14 2 42	13 22 40
	JUNE .	12 15 26	12 13 45
	JULY .	12 4 10	12 5 15
	AUG. .	10 16 54	10 20 29
	SEPT. .	9 5 38	9 10 59
	OCT. .	8 18 22	9 0 29
	NOV. .	7 7 6	7 13 2
	DEC. .	6 19 50	7 0 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 227. G. March. d. h. m. 21 21 24	JAN.	5 8 35	5 11 40
	FEB.	3 21 19	3 21 51
	MAR.	5 10 3	5 7 33
	APRIL	3 22 47	3 17 19
	○	18 17 9	19 6 1
	MAY	3 11 31	3 3 53
	JUNE	2 0 15	1 15 57
	JULY	1 13 0	1 5 53
		31 1 44	30 21 28
	AUG.	29 14 28	29 14 5
	SEPT.	28 3 12	28 6 51
	○	12 21 34	12 10 2
	OCT.	27 15 56	27 22 54
	NOV.	26 4 40	26 13 37
	DEC.	25 17 24	26 2 39
228. F.E. 21 3 13	JAN.	24 6 8	24 13 57
	FEB.	22 18 52	22 23 38
	MAR.	23 7 36	23 8 11
	○	7 1 58	7 11 25
	APRIL	21 20 20	21 16 17
	MAY	21 9 4	21 0 52
	JUNE	19 21 48	19 10 55
	JULY	19 10 32	18 23 16
	AUG.	17 23 16	17 14 11
	SEPT.	16 12 0	16 7 16
	○	1 6 22	1 1 4
	OCT.	16 0 44	16 1 33
	NOV.	14 13 28	14 19 45
	DEC.	14 2 12	14 12 35
229. D. 21 9 2	JAN.	12 14 56	13 3 8
	FEB.	11 3 40	11 15 12
	MAR.	12 16 24	13 0 54
	APRIL	11 5 8	11 8 54
	MAY	10 17 52	10 16 0
	JUNE	9 6 36	8 23 16
	JULY	8 19 20	8 7 47
	AUG.	7 8 4	6 18 36
	SEPT.	5 20 48	5 8 21
	OCT.	5 9 32	5 1 0
	NOV.	3 22 16	3 19 46
	DEC.	3 11 0	3 15 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 230. C. March. d. h. m. 21 14 50	JAN.	1 23 45	2 9 33
		31 12 29	...
	FEB.	...	1 1 45
	○	15 6 51	15 1 4
	MAR.	2 1 13	2 14 53
		31 13 57	...
	APRIL	30 2 41	1 1 7
			30 9 13
	MAY	29 15 25	29 16 3
	JUNE	28 4 9	27 22 46
	JULY	27 16 53	27 6 27
	○	11 11 15	11 16 32
	AUG.	26 5 37	25 16 7
	SEPT.	24 18 21	24 4 47
	OCT.	24 7 5	23 20 10
	NOV.	22 19 49	22 14 17
	DEC.	22 8 33	22 9 44
231. B. 21 20 39	JAN.	20 21 18	21 4 52
	○	4 15 40	4 13 43
	FEB.	19 10 2	19 22 9
	MAR.	20 22 46	21 12 32
	APRIL	19 11 30	19 23 53
	MAY	19 0 14	19 8 45
	JUNE	17 12 58	17 16 3
	JULY	17 1 42	16 22 56
	○	31 20 4	31 19 4
	AUG.	15 14 26	15 6 30
	SEPT.	14 3 10	13 15 39
	OCT.	13 15 54	13 3 7
	NOV.	12 4 38	11 17 16
	DEC.	11 17 22	11 9 54
232. A.G. 21 2 28	JAN.	10 6 6	10 4 10
	○	25 0 27	25 5 36
	FEB.	8 18 50	8 22 51
	MAR.	9 7 34	9 16 29
	APRIL	7 20 18	8 7 58
	MAY	7 9 2	7 20 43
	JUNE	5 21 46	6 7 1
	JULY	5 10 30	5 15 33
	○	20 4 52	19 19 41
	AUG.	3 23 14	3 23 23
	SEPT.	2 11 58	2 7 30
	OCT.	2 0 42	1 16 43
		31 13 26	31 3 35
	NOV.	30 2 10	29 16 21
	DEC.	29 14 54	29 7 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 233.		d. h. m.	d. h. m.
F. March. d. h. m. 21 8 17	JAN.	28 3 39	27 23 17
	FEB.	26 16 23	26 16 23
	MAR.	28 5 7	28 9 25
	APRIL	26 17 51	27 1 23
	MAY	26 6 35	26 15 34
	JUNE	24 19 19	25 3 44
	JULY	24 8 3	24 14 12
	AUG.	22 20 47	22 23 40
	SEPT.	21 9 31	21 8 59
	OCT.	20 22 15	20 18 48
	NOV.	19 10 59	19 5 28
	DEC.	18 23 43	18 17 7
234. E. 21 14 6	JAN.	17 12 28	17 5 51
	FEB.	16 1 12	15 19 36
	MAR.	17 13 56	17 10 23
	APRIL	16 2 40	16 1 52
	MAY	15 15 24	15 17 31
	○	30 9 46	30 7 35
	JUNE	14 4 8	14 8 41
	JULY	13 16 52	13 22 46
	AUG.	12 5 36	12 11 35
	SEPT.	10 18 20	10 23 19
	OCT.	10 7 4	10 10 23
	NOV.	8 19 48	8 21 15
	○	28 14 10	28 11 47
	DEC.	8 8 32	8 8 5
235. D. 21 19 55	JAN.	6 21 16	6 18 58
	FEB.	5 10 0	5 5 56
	MAR.	6 22 44	6 17 19
	APRIL	5 11 28	5 5 30
	MAY	5 0 12	4 18 50
	○	19 18 34	20 0 48
	JUNE	3 12 56	3 9 22
	JULY	3 1 40	3 0 45
	AUG.	1 14 24	1 16 22
		31 3 8	31 7 31
	SEPT.	29 15 52	29 21 50
	OCT.	29 4 36	29 11 9
	○	12 22 58	12 12 39
	NOV.	27 17 20	27 23 25
	DEC.	27 6 4	27 10 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 236.		d. h. m.	d. h. m.
C.B. March. d. h. m. 21 1 48	JAN.	25 18 49	25 21 11
	FEB.	24 7 33	24 6 52
	MAR.	24 20 17	24 16 17
	APRIL	23 9 1	23 2 6
	○	8 3 23	8 14 56
	MAY	22 21 45	22 13 8
	JUNE	21 10 29	21 1 59
	JULY	20 23 13	20 16 39
	AUG.	19 11 57	19 9 10
	SEPT.	18 0 41	18 2 12
	OCT.	17 13 25	17 18 59
	NOV.	16 2 9	16 10 40
	DEC.	15 14 53	16 0 42
237. A. 21 7 32	JAN.	14 3 37	14 12 50
	FEB.	12 16 21	12 23 11
	MAR.	14 5 5	14 8 3
	APRIL	12 17 49	12 16 5
	MAY	12 6 33	12 0 7
	JUNE	10 19 17	10 9 11
	JULY	10 8 1	9 20 13
	AUG.	8 20 45	8 9 53
	SEPT.	7 9 29	7 2 5
	○	22 3 51	22 0 34
	OCT.	6 22 13	6 20 6
	NOV.	5 10 57	5 14 43
	DEC.	4 23 41	5 8 32
238. G. 21 13 21	JAN.	3 12 26	4 0 24
	FEB.	2 1 10	2 13 41
	MAR.	3 13 54	4 0 23
	○	18 8 16	18 7 7
	APRIL	2 2 38	2 8 59
	MAY	1 15 22	1 16 17
		31 4 6	30 23 15
	JUNE	29 16 50	29 6 57
	JULY	29 5 34	28 16 30
	AUG.	27 18 18	27 4 47
	○	11 12 40	11 16 10
	SEPT.	26 7 2	25 20 7
	OCT.	25 19 46	25 14 5
	NOV.	24 8 30	24 9 28
	DEC.	23 21 14	24 4 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 239. F. March. d. h. m. 21 19 10	JAN.	22 9 59	22 22 5
	FEB.	20 22 48	21 12 41
	○	7 17 5	7 11 29
	MAR.	22 11 27	23 0 14
	APRIL	21 0 11	21 9 13
	MAY	20 12 55	20 16 28
	JUNE	19 1 39	18 23 6
	JULY	18 14 23	18 6 11
	AUG.	17 3 7	16 14 50
	○	31 21 29	1 2 58
	SEPT.	15 15 51	15 1 55
	OCT.	15 4 35	14 16 1
	NOV.	13 17 19	13 8 59
	DEC.	13 6 3	13 3 56
240. E.D. 21 0 58	JAN.	11 18 47	11 23 23
	FEB.	10 7 31	10 17 39
	MAR.	10 20 15	11 9 27
	APRIL	9 8 59	9 22 14
	MAY	8 21 43	9 8 13
	JUNE	7 10 27	7 16 12
	JULY	6 23 11	6 23 14
	AUG.	5 11 55	5 6 28
	SEPT.	4 0 39	3 14 51
	OCT.	3 13 23	3 1 12
	NOV.	2 2 7	1 14 3
	DEC.	1 14 51	1 5 27
		31 3 35	30 22 55
241. C. 21 6 47	○	14 21 57	15 4 48
	JAN.	29 16 19	29 17 23
	FEB.	28 5 4	28 11 31
	MAR.	29 17 48	30 4 8
	APRIL	28 6 32	28 19 9
	MAY	27 19 16	28 5 40
	JUNE	26 8 0	26 15 5
	○	11 2 22	10 15 56
	JULY	25 20 44	25 23 18
	AUG.	24 9 28	24 7 22
	SEPT.	22 22 12	22 16 8
	OCT.	22 10 56	22 2 15
	NOV.	20 23 40	20 14 5
	DEC.	20 12 24	20 3 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 242. B. March. d. h. m. 21 12 36	○	4 6 47	4 18 18
	JAN.	19 1 9	18 19 3
	FEB.	17 13 58	17 11 33
	MAR.	19 2 37	19 4 29
	APRIL	17 15 21	17 20 56
	MAY	17 4 5	17 12 2
	JUNE	15 16 49	16 1 18
	○	30 11 11	30 0 0
	JULY	15 5 33	15 12 44
	AUG.	13 18 17	13 22 51
	SEPT.	12 7 1	12 8 24
	OCT.	11 19 45	11 18 7
	NOV.	10 8 29	10 4 27
	DEC.	9 21 13	9 15 37
	○	24 15 35	25 1 15
243. A. 21 18 25	JAN.	8 9 57	8 3 39
	FEB.	6 22 41	6 16 38
	MAR.	8 11 25	8 6 36
	APRIL	7 0 9	6 21 30
	MAY	6 12 53	6 12 53
	JUNE	5 1 37	5 4 25
	○	19 19 59	19 14 40
	JULY	4 14 21	4 19 13
	AUG.	3 3 5	3 8 53
	SEPT.	1 15 49	1 21 24
	OCT.	1 4 33	1 9 2
		30 17 17	30 20 12
	NOV.	29 6 1	29 7 8
	DEC.	28 18 45	28 17 57
244. G.F. 21 0 14	JAN.	27 7 29	27 4 42
	FEB.	25 20 13	25 15 35
	MAR.	26 8 58	26 3 1
	APRIL	24 21 42	24 15 28
	MAY	24 10 26	24 5 15
	JUNE	22 23 10	22 20 13
	JULY	22 11 54	22 11 55
	AUG.	21 0 38	21 3 36
	SEPT.	19 13 22	19 18 40
	OCT.	19 2 6	19 8 47
	NOV.	17 14 50	17 21 47
	DEC.	17 3 34	17 9 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 245. E. March. d. h. m. 21 6 3	JAN.	15 16 19	15 20 28
	FEB.	14 5 8	14 6 20
	MAR.	15 17 47	15 15 34
	APRIL	14 6 31	14 0 50
	○	29 0 53	29 13 10
	MAY	13 19 15	13 10 56
	JUNE	12 7 59	11 22 41
	JULY	11 20 43	11 12 31
	AUG.	10 9 27	10 4 15
	SEPT.	8 22 11	8 21 16
	OCT.	8 10 55	8 14 33
	○	23 5 17	22 18 34
	NOV.	6 23 39	7 7 8
	DEC.	6 12 23	6 22 13
246. D. 21 11 51	JAN.	5 1 7	5 11 21
	FEB.	3 13 51	3 22 30
	MAR.	5 2 35	5 7 53
	APRIL	3 15 19	3 16 2
	○	18 9 41	18 18 13
	MAY	3 4 3	2 23 46
	JUNE	1 16 47	1 3 3
	JULY	1 5 31	30 17 55
		30 18 15	30 6 13
	AUG.	29 6 59	28 21 15
	SEPT.	27 19 43	27 14 39
	○	12 14 5	12 9 40
	OCT.	27 8 27	27 9 20
	NOV.	25 21 11	26 3 53
	DEC.	25 9 55	25 20 56
247. C. 21 17 40	JAN.	23 22 40	24 11 33
	FEB.	22 11 24	22 23 26
	MAR.	24 0 8	24 8 52
	APRIL	22 12 52	22 16 35
	MAY	22 1 36	21 23 29
	JUNE	20 14 20	20 6 36
	JULY	20 3 4	19 15 6
	AUG.	18 15 48	18 1 59
	SEPT.	17 4 32	16 15 52
	OCT.	16 17 16	16 8 42
	NOV.	15 6 0	15 3 39
	DEC.	14 18 44	14 23 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 248. B.A. March. d. h. m. 20 23 29	JAN.	18 7 29	18 17 41
	FEB.	11 20 13	12 9 43
	○	26 14 35	26 9 1
	MAR.	12 8 57	12 22 42
	APRIL	10 21 41	11 8 48
	MAY	10 10 25	10 16 43
	JUNE	8 23 9	8 23 31
	JULY	8 11 53	8 6 16
	AUG.	7 0 37	6 14 5
	SEPT.	5 13 21	4 23 53
	OCT.	5 2 5	4 12 36
	NOV.	3 14 49	3 4 14
	DEC.	3 3 33	2 22 19
249. G. 21 5 18	JAN.	1 16 17	1 17 39
		31 5 1	31 12 35
	FEB. ○	14 23 23	14 22 5
	MAR.	1 17 45	2 5 39
		31 6 29	31 19 53
	APRIL	29 19 13	30 7 11
	MAY	29 7 57	29 16 3
	JUNE	27 20 41	27 23 29
	JULY	27 9 25	27 6 38
	○	11 3 47	11 1 51
	AUG.	25 22 9	25 14 28
	SEPT.	24 10 53	23 23 53
	OCT.	23 23 37	23 11 32
	NOV.	22 12 21	22 1 40
	DEC.	22 1 5	21 18 4
250. F. 21 11 7	JAN.	20 13 50	20 12 1
	○	4 8 12	4 14 14
	FEB.	19 2 34	19 6 17
	MAR.	20 15 18	20 23 35
	APRIL	19 4 2	19 14 53
	MAY	18 16 46	19 3 41
	JUNE	17 5 30	17 14 9
	JULY	16 13 14	16 23 0
	○	31 12 36	31 2 31
	AUG.	15 6 58	15 7 13
	SEPT.	13 19 42	13 15 44
	OCT.	13 8 26	13 1 18
	NOV.	11 21 10	11 12 20
	DEC.	11 9 54	11 1 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 251. E. March. d. h. m. 21 16 56		d. h. m.	d. h. m.
	JAN.	9 22 38	9 15 21
	FEB.	8 11 22	8 7 4
	MAR.	10 0 6	9 23 37
	APRIL	8 12 50	8 16 12
	MAY	8 1 34	8 7 59
	JUNE	6 14 18	6 22 15
	JULY	6 3 2	6 10 42
	AUG.	4 15 46	4 21 37
	SEPT.	3 4 30	3 7 36
	OCT.	2 17 14	2 17 25
	NOV.	1 5 58 30 18 42	1 8 35 30 14 22
	DEC.	30 7 26	30 1 54
252. D.C. 20 22 44	JAN.	28 20 11	28 14 11
	FEB.	27 8 55	27 8 23
	MAR.	27 21 39	27 17 31
	APRIL	26 10 28	26 8 31
	MAY	25 23 7	25 23 58
	○	9 17 29	9 14 58
	JUNE	24 11 51	24 15 13
	JULY	24 0 35	24 5 40
	AUG.	22 13 19	22 19 0
	SEPT.	21 2 8	21 7 20
	OCT.	20 14 47	20 18 57
	NOV.	19 3 31	19 5 59
	○	3 21 53	3 19 46
	DEC.	18 16 15	18 17 2
253. B. 21 4 33	JAN.	17 5 0	17 3 43
	FEB.	15 17 44	15 14 16
	MAR.	17 6 28	17 1 4
	APRIL	15 19 12	15 12 40
	MAY	15 7 56	15 1 32
	○	30 2 18	30 8 11
	JUNE	13 20 40	13 15 51
	JULY	13 9 24	13 7 19
	AUG.	11 22 8	11 23 16
	SEPT.	10 10 52	10 14 59
	OCT.	9 23 36	10 5 55
	NOV.	8 12 20	8 19 43
	○	23 6 42	22 20 54
	DEC.	8 1 4	8 8 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 254. A. March. d. h. m. 21 10 22		d. h. m.	d. h. m.
	JAN.	6 13 48	6 19 37
	FEB.	5 2 32	5 5 48
	MAR.	6 15 16	6 15 4
	APRIL	5 4 0	4 23 58
	MAY	4 16 44	4 9 19
	○	19 11 6	19 22 2
	JUNE	3 5 28	2 19 59
	JULY	2 18 12	2 8 40
	AUG.	1 6 56 30 19 40	31 23 33 30 16 11
	SEPT.	29 8 24	29 9 42
	OCT.	28 21 8	29 3 1
	○	12 15 30	12 5 2
	NOV.	27 9 52	27 19 7
	DEC.	26 22 36	27 9 21
255. G. 21 16 11	JAN.	25 11 21	25 21 28
	FEB.	24 0 5	24 7 33
	MAR.	25 12 49	25 16 3
	APRIL	24 1 33	23 23 43
	MAY	23 14 17	23 7 25
	JUNE	22 3 1	21 16 15
	JULY	21 15 45	21 3 14
	AUG.	20 4 29	19 16 58
	SEPT.	18 17 13	18 9 24
	○	3 11 35	3 9 4
	OCT.	18 5 57	18 3 44
	NOV.	16 18 41	16 22 44
	DEC.	16 7 25	16 16 48
256. F.E. 20 22 0	JAN.	14 20 10	15 8 45
	FEB.	13 8 54	13 21 56
	MAR.	13 21 33	14 8 25
	○	28 16 0	28 14 9
	APRIL	12 10 22	12 16 46
	MAY	11 23 6	11 23 50
	JUNE	10 11 50	10 6 37
	JULY	10 0 34	9 14 18
	AUG.	8 13 18	7 23 55
	SEPT.	7 2 2	6 12 19
	○	21 20 24	22 0 21
	OCT.	6 14 46	6 3 49
	NOV.	5 3 30	4 21 56
	DEC.	4 16 14	4 17 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 257.		d. h. m.	d. h. m.
D. March. d. h. m. 21 8 49	JAN.	3 4 58	3 12 40
	FEB.	1 17 42	2 6 0
	MAR.	3 6 26	3 20 29
	○	18 0 48	17 19 3
	APRIL	1 19 10	2 7 52
	MAY	1 7 54	1 16 42
		30 20 38	30 23 58
	JUNE	29 9 22	29 6 33
	JULY	28 22 6	28 13 48
	AUG.	27 10 50	26 22 37
	○	11 5 12	11 10 34
	SEPT.	25 23 34	25 9 55
	OCT.	25 12 18	25 0 7
	NOV.	24 1 2	23 17 5
	DEC.	23 13 46	23 11 55
258. C. 21 9 37	JAN.	22 2 31	22 7 8
	FEB.	20 15 15	21 1 10
	MAR.	22 3 59	22 16 48
	APRIL	20 16 43	21 5 29
	MAY	20 5 27	20 15 28
	JUNE	18 18 11	18 23 33
	JULY	18 6 55	18 6 49
	AUG.	16 19 39	16 14 20
	SEPT.	15 8 23	14 23 2
	OCT.	14 21 7	14 9 38
	NOV.	13 9 51	12 22 32
	DEC.	12 22 35	12 13 48
259. B. 21 15 26	JAN.	11 11 20	11 6 55
	○	26 5 42	26 13 31
	FEB.	10 0 4	10 0 57
	MAR.	11 12 48	11 18 42
	APRIL	10 1 32	10 10 59
	MAY	9 14 16	10 1 2
	JUNE	8 3 0	8 12 41
	JULY	7 15 44	7 22 22
	○	22 10 6	21 22 47
	AUG.	6 4 28	6 6 58
	SEPT.	4 17 12	4 15 27
	OCT.	4 5 56	4 0 38
	NOV.	2 18 40	2 10 59
	DEC.	2 7 24	1 22 50
		31 20 8	31 12 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 260.		d. h. m.	d. h. m.
A.G. March. d. h. m. 20 21 15	○	15 14 30	16 2 48
	JAN.	30 8 52	30 3 5
	FEB.	28 21 36	28 18 59
	MAR.	29 10 20	29 11 25
	APRIL	27 23 4	28 3 33
	MAY	27 11 48	27 18 37
	JUNE	26 0 32	26 8 6
	○	10 18 54	10 7 12
	JULY	25 18 16	25 19 56
	AUG.	24 2 0	24 6 34
	SEPT.	22 14 44	22 16 40
	OCT.	22 3 28	22 2 48
	NOV.	20 16 12	20 13 22
	DEC.	20 4 56	20 0 30
261. F. 21 3 4	○	3 23 19	4 9 23
	JAN.	18 17 41	18 12 14
	FEB.	17 6 25	17 0 40
	MAR.	18 19 9	18 14 1
	APRIL	17 7 53	17 4 22
	MAY	16 20 37	16 19 30
	JUNE	15 9 21	15 10 53
	○	30 3 43	29 22 7
	JULY	14 22 5	15 1 55
	AUG.	13 10 49	13 16 4
	SEPT.	11 23 33	12 5 11
	OCT.	11 12 17	11 17 25
	NOV.	10 1 1	10 5 0
	DEC.	9 13 45	9 16 6
262. E. 21 8 58	JAN.	8 2 30	8 2 51
	FEB.	6 15 14	6 13 15
	MAR.	8 3 58	7 23 36
	APRIL	6 16 42	6 10 26
	MAY	6 5 26	5 22 23
	JUNE	4 18 10	4 11 49
	JULY	4 6 54	4 2 44
	AUG.	2 19 38	2 18 38
	SEPT.	1 8 22	1 10 48
		30 21 6	1 2 30
	OCT.	30 9 50	30 17 10
	NOV.	28 22 31	29 6 33
	DEC.	28 11 18	28 18 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 263.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 21 14 42	JAN. .	27 0 2	27 5 11
	FEB. .	25 12 46	25 14 41
	MAR. .	27 1 30	26 23 27
	APRIL	25 14 14	25 8 14
	○	10 8 36	10 20 11
	MAY .	25 2 58	24 17 57
	JUNE .	23 15 42	23 5 27
	JULY .	23 4 26	22 19 18
	AUG. .	21 17 10	21 11 9
	SEPT. .	20 5 54	20 4 34
	OCT. .	19 18 38	19 22 22
	○	8 13 0	8 8 12
	NOV. .	18 7 22	18 15 25
	DEC. .	17 20 6	18 6 47
264. C.B. 20 20 30	JAN. .	16 8 51	16 20 0
	FEB. .	14 21 35	15 6 57
	MAR. .	15 10 19	15 16 0
	APRIL	13 23 3	13 23 49
	○	28 17 25	29 0 56
	MAY .	13 11 47	13 7 11
	JUNE .	12 0 31	11 15 13
	JULY .	11 13 15	11 0 59
	AUG. .	10 1 59	9 13 19
	SEPT. .	8 14 43	8 4 31
	OCT. .	8 3 27	7 22 11
	○	22 21 49	22 18 22
	NOV. .	6 16 11	6 17 13
	DEC. .	6 4 55	6 12 2
265. A. 21 2 19	JAN. .	4 17 39	5 5 13
	FEB. .	3 6 23	3 19 47
	MAR. .	4 19 7	5 7 30
	APRIL	3 7 51	3 16 42
	MAY .	2 20 35	3 0 9
	JUNE .	1 9 19	1 6 53
		30 22 3	30 13 59
	JULY .	30 10 47	29 22 31
	AUG. .	28 23 31	28 9 30
	SEPT. .	27 12 15	26 23 32
	○	12 6 37	12 9 57
	OCT. .	27 0 59	26 16 33
	NOV. .	25 13 43	25 11 36
	DEC. .	25 2 27	25 7 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 266.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 21 8 8	JAN. .	23 15 12	24 1 36
	FEB. .	22 8 56	22 17 31
	○	8 22 18	8 16 51
	MAR. .	23 16 40	24 6 21
	APRIL	22 5 24	22 16 18
	MAY .	21 18 8	22 0 9
	JUNE .	20 6 52	20 6 57
	JULY .	19 19 36	19 13 50
	AUG. .	18 8 20	17 21 51
	SEPT. .	16 21 4	16 7 56
	OCT. .	16 9 48	15 20 44
	NOV. .	14 22 32	14 12 24
	DEC. .	14 11 16	14 6 22
267. F. 21 13 57	JAN. .	13 0 1	13 1 29
	FEB. .	11 12 45	11 20 10
	○	26 7 7	26 6 23
	MAR. .	13 1 29	13 13 0
	APRIL	11 14 13	12 3 6
	MAY .	11 2 57	11 14 21
	JUNE .	9 15 41	9 23 20
	JULY .	9 4 25	9 6 58
	AUG. .	7 17 9	7 14 23
	○	22 11 31	22 8 46
	SEPT. .	6 5 53	5 22 33
	OCT. .	5 18 37	5 8 17
	NOV. .	4 7 21	3 20 4
	DEC. .	3 20 5	3 10 8
268. E.D. 20 19 46	JAN. .	2 8 49	2 2 15
		31 21 33	31 19 44
	FEB. .	...	...
	○	15 15 55	15 22 42
	MAR. .	1 10 17	1 13 34
		30 23 1	31 6 31
	APRIL	29 11 45	29 21 42
	MAY .	29 0 29	29 10 34
	JUNE .	27 13 13	27 21 16
	JULY .	27 1 57	27 6 29
	○	10 20 19	10 9 27
	AUG. .	25 14 41	25 15 9
	SEPT. .	24 3 25	24 0 7
	OCT. .	23 16 9	23 9 58
	NOV. .	22 4 53	21 21 7
	DEC. .	21 17 37	21 9 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 269.		d. h. m.	d. h. m.
C. March. d. h. m. 21 1 34	JAN.	20 6 22	19 23 36
	FEB.	18 19 6	18 14 46
	MAR.	20 7 50	20 6 44
	APRIL	18 20 34	18 22 56
	MAY	18 9 18	18 14 32
	JUNE	16 22 2	17 4 54
	JULY	16 10 46	16 17 43
	AUG.	14 23 30	15 5 9
	SEPT.	13 12 14	13 15 42
	OCT.	13 0 58	13 1 58
	NOV.	11 13 42	11 12 28
	DEC.	11 2 26	10 23 19
270. B. 21 7 23	JAN.	9 15 11	9 10 39
	FEB.	8 3 55	7 22 28
	MAR.	9 16 39	9 11 2
	APRIL	8 5 23	8 0 36
	MAY	7 18 7	7 15 9
	JUNE	6 6 51	6 6 25
	○	21 1 13	20 22 26
	JULY	5 19 35	5 21 46
	AUG.	4 8 19	4 12 37
	SEPT.	2 21 8	3 2 32
	OCT.	2 9 47	2 15 29
		31 22 31	1 8 36
	NOV.	30 11 15	30 15 4
	○	15 5 37	15 3 44
	DEC.	29 23 59	30 1 59
271. A. 21 13 12	JAN.	28 12 43	28 12 23
	FEB.	27 1 27	26 22 28
	MAR.	28 14 11	28 8 42
	APRIL	27 2 55	26 19 45
	MAY	26 15 39	26 8 13
	○	10 10 1	10 15 33
	JUNE	25 4 23	24 22 21
	JULY	24 17 7	24 13 54
	AUG.	23 5 51	23 6 14
	SEPT.	21 18 35	21 22 32
	OCT.	21 7 19	21 14 3
	NOV.	19 20 3	20 4 19
	○	4 14 25	4 5 12
	DEC.	19 8 47	19 17 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 272.		d. h. m.	d. h. m.
G.F. March. d. h. m. 20 19 1	JAN.	17 21 32	18 4 24
	FEB.	16 10 16	16 14 17
	MAR.	16 23 0	16 23 8
	APRIL	15 11 44	15 7 34
	MAY	15 0 28	14 16 30
	○	29 18 50	30 5 6
	JUNE	13 13 12	13 2 53
	JULY	13 1 56	12 15 26
	AUG.	11 14 40	11 6 24
	SEPT.	10 3 24	9 23 21
	OCT.	9 16 8	9 17 20
	NOV.	8 4 52	8 11 8
	○	22 23 14	22 13 44
	DEC.	7 17 36	8 3 36
273. E. 21 0 50	JAN.	6 6 21	6 17 59
	FEB.	4 19 5	5 5 58
	MAR.	6 7 49	6 15 47
	APRIL	4 20 33	4 23 56
	MAY	4 9 17	4 7 15
	JUNE	2 22 1	2 14 42
	JULY	2 10 45	1 23 25
		31 23 29	31 10 22
	AUG.	30 12 13	30 0 12
	SEPT.	29 0 57	28 16 52
	○	13 19 19	13 17 40
	OCT.	28 13 41	28 11 31
	NOV.	27 2 25	27 6 46
	DEC.	26 15 9	27 1 0
274. D. 21 6 39	JAN.	25 3 58	25 16 58
	FEB.	23 16 37	24 6 2
	MAR.	25 5 21	25 16 18
	○	8 23 43	8 21 5
	APRIL	23 18 5	24 0 24
	MAY	23 6 49	23 7 18
	JUNE	21 19 33	21 14 2
	JULY	21 8 17	20 21 44
	AUG.	19 21 1	19 7 27
	SEPT.	18 9 45	17 20 1
	○	3 4 7	3 8 37
	OCT.	17 22 29	17 11 39
	NOV.	16 11 13	16 5 53
	DEC.	15 23 57	16 1 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 275. C. March. d. h. m. 21 12 27		d. h. m.	d. h. m.
	JAN. .	14 12 42	14 20 35
	FEB. .	13 1 26	13 13 48
	MAR. .	14 14 10	15 4 8
	○	29 8 32	29 2 32
	APRIL	13 2 54	13 15 23
	MAY .	12 15 38	13 0 7
	JUNE .	11 4 22	11 7 19
	JULY .	10 17 6	10 14 5
	AUG. .	9 5 50	8 21 32
	SEPT. .	7 18 34	7 6 36
	○	22 12 56	22 18 19
	OCT. .	7 7 18	6 18 5
	NOV. .	5 20 2	5 8 21
	DEC. .	5 8 46	5 1 15
276. B.A. 20 18 16	JAN. .	3 21 30	3 19 51
	FEB. .	2 10 14	2 14 46
	MAR. .	2 22 58	3 8 32
	○	17 17 20	17 15 0
	APRIL	1 11 42	1 23 58
	MAY .	1 0 26	1 12 36
		30 13 10	30 22 39
	JUNE .	29 1 54	29 6 55
	JULY .	28 14 38	28 14 29
	AUG. .	27 3 22	26 22 20
	SEPT. .	25 16 6	25 7 21
	OCT. .	25 4 50	24 18 10
	NOV. .	23 17 34	23 7 6
	DEC. .	23 6 18	22 22 8
277. G. 21 0 5	JAN. .	21 19 3	21 14 51
	○	5 18 25	5 22 4
	FEB. .	20 7 47	20 8 23
	MAR. .	21 20 31	22 1 44
	APRIL	20 9 15	20 17 47
	MAY .	19 21 59	20 7 49
	JUNE .	18 10 43	18 19 39
	JULY .	17 23 27	18 5 41
	AUG. .	16 12 11	16 14 45
	SEPT. .	15 0 55	14 23 40
	OCT. .	14 13 39	14 9 13
	NOV. .	13 2 23	12 19 48
	DEC. .	12 15 7	12 7 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 278. F. March. d. h. m. 21 5 54		d. h. m.	d. h. m.
	JAN. .	11 3 52	10 20 43
	○	25 22 14	26 11 11
	FEB. .	9 16 36	9 11 1
	MAR. .	11 5 20	11 2 19
	APRIL	9 18 4	9 18 15
	MAY .	9 6 48	9 10 7
	JUNE .	7 19 32	8 1 11
	JULY .	7 8 16	7 14 56
	○	22 2 38	21 14 32
	AUG. .	5 21 0	6 3 15
	SEPT. .	4 9 44	4 14 26
	OCT. .	3 22 28	4 1 3
	NOV. .	2 11 12	2 11 36
	DEC. .	1 23 56	1 22 21
		31 12 40	31 9 22
	○	15 7 2	15 17 24
279. E. 21 11 43	JAN. .	30 1 24	29 20 42
	FEB. .	28 14 8	28 8 35
	MAR. .	30 2 52	29 21 19
	APRIL	28 15 36	28 11 8
	MAY .	28 4 20	28 1 57
	JUNE .	26 17 4	26 17 21
	○	11 11 26	11 5 38
	JULY .	26 5 48	26 8 39
	AUG. .	24 18 32	24 23 20
	SEPT. .	23 7 16	23 13 5
	OCT. .	22 20 0	23 1 52
	NOV. .	21 8 44	21 13 50
	DEC. .	20 21 28	21 1 3
280. D.C. 20 17 32	JAN. .	19 10 12	19 11 37
	FEB. .	17 22 56	17 21 36
	MAR. .	18 11 41	18 7 27
	APRIL	17 0 25	16 17 44
	MAY .	16 13 9	16 5 12
	JUNE .	15 1 53	14 18 23
	JULY .	14 14 37	14 9 17
	AUG. .	13 3 21	13 1 28
	SEPT. .	11 16 5	11 18 7
	OCT. .	11 4 49	11 10 24
	NOV. .	9 17 33	10 1 35
	DEC. .	9 6 17	9 15 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 281.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 20 23 20	JAN.	7 19 2	8 3 21
	FEB.	6 7 46	6 13 47
	MAR.	7 20 30	7 22 54
	APRIL	6 9 14	6 7 13
	MAY	5 21 58	5 15 35
	○	20 16 20	21 3 8
	JUNE	4 10 42	4 0 58
	JULY	3 23 26	3 12 16
	AUG.	2 12 10	2 2 4
	SEPT.	1 0 54	31 18 14
		30 13 38	30 12 2
	OCT.	30 2 22	30 6 18
	○	13 20 44	13 11 57
	NOV.	28 15 6	28 23 45
	DEC.	28 3 50	28 15 19
282. A. 21 5 9	JAN.	26 16 34	27 4 29
	FEB.	25 5 18	25 15 14
	MAR.	26 18 2	26 23 58
	APRIL	25 6 46	25 7 27
	○	10 1 8	10 7 31
	MAY	24 19 30	24 14 34
	JUNE	23 8 14	22 22 26
	JULY	22 20 58	22 8 9
	AUG.	21 9 42	20 20 33
	SEPT.	19 22 26	19 11 56
	OCT.	19 11 10	19 5 51
	○	3 5 32	3 3 10
	NOV.	17 23 54	18 1 7
	DEC.	17 12 38	17 20 8
283. G. 21 10 58	JAN.	16 1 23	16 13 24
	FEB.	14 14 7	15 3 54
	MAR.	16 2 51	16 15 25
	APRIL	14 15 35	15 0 24
	○	29 9 57	29 8 5
	MAY	14 4 19	14 7 41
	JUNE	12 17 3	12 14 20
	JULY	12 5 47	11 21 25
	AUG.	10 18 31	10 6 5
	SEPT.	9 7 15	8 17 13
	OCT.	8 19 59	8 7 24
	○	23 14 21	23 18 33
	NOV.	7 8 43	7 0 30
	DEC.	6 21 27	6 19 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 284.		*d. h. m.*	*d. h. m.*
F.E. March. *d. h. m.* 20 16 47	JAN.	5 10 12	5 15 6
	FEB.	3 22 56	4 9 24
	MAR.	4 11 40	5 1 20
	APRIL	3 0 24	3 13 51
	MAY	2 13 8	2 23 42
	JUNE	1 1 52	1 7 33
		30 14 36	30 14 27
	JULY	30 3 20	29 21 32
	AUG.	28 16 4	28 5 47
	SEPT.	27 4 48	26 16 6
	OCT.	26 17 32	26 5 1
	NOV.	25 6 16	24 20 39
	DEC.	24 19 0	24 14 26
285. D. 20 22 36	JAN.	23 7 44	23 9 13
	FEB.	21 20 28	22 3 36
	○	8 14 50	8 14 32
	MAR.	23 9 12	23 20 10
	APRIL	21 21 56	22 10 10
	MAY	21 10 40	21 21 27
	JUNE	19 23 24	20 6 35
	JULY	19 12 8	19 14 30
	AUG.	18 0 52	17 22 15
	○	1 19 14	1 15 51
	SEPT.	16 13 36	16 6 47
	OCT.	16 2 20	15 16 47
	NOV.	14 15 4	14 4 41
	DEC.	14 3 48	13 18 37
286. C. 21 4 25	JAN.	12 16 33	12 10 23
	FEB.	11 5 17	11 3 23
	○	25 23 39	26 7 8
	MAR.	12 18 1	12 20 44
	APRIL	11 6 45	11 13 22
	MAY	10 19 29	11 4 25
	JUNE	9 8 13	9 17 24
	JULY	8 20 57	9 4 26
	AUG.	7 9 41	7 14 6
	○	22 4 3	21 16 34
	SEPT.	5 22 25	5 23 13
	OCT.	5 11 9	5 8 36
	NOV.	3 23 53	3 18 47
	DEC.	3 12 37	3 6 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 287. B. March. d. h. m. 21 10 13	JAN.	2 1 21 31 14 5	1 18 20 31 7 47
	FEB.	...	...
	MAR.	2 2 50 31 15 34	1 22 21 31 13 45
	APRIL	30 4 18	30 5 32
	MAY	29 17 2	29 21 2
	JUNE	28 5 46	28 11 34
	JULY	27 18 30	28 0 48
	AUG.	26 7 14	26 12 46
	SEPT.	24 19 58	24 23 53
	OCT.	24 8 42	24 10 40
	NOV.	22 21 26	22 21 25
	DEC.	22 10 10	22 8 17
288. A.G. 20 16 2	JAN.	20 22 54	20 19 18
	FEB.	19 11 38	19 6 38
	MAR.	20 0 22	19 18 35
	APRIL	18 13 6	18 7 34
	MAY	18 1 50	17 21 43
	JUNE	16 14 34	16 12 50
	○ JULY	1 8 56 16 8 18	1 5 55 16 4 21
	AUG.	14 16 2	14 19 39
	SEPT.	13 4 46	13 10 11
	OCT.	12 17 30	12 23 43
	NOV.	11 6 14	11 12 19
	DEC.	10 18 58	11 0 0
	○	25 13 20	25 11 42
289. F. 20 21 51	JAN.	9 7 43	9 10 52
	FEB.	7 20 27	7 20 56
	MAR.	9 9 11	9 6 32
	APRIL	7 21 55	7 16 14
	MAY	7 10 39	7 2 48
	JUNE	5 23 23	5 14 55
	○	20 17 45	20 22 55
	JULY	5 12 7	5 4 55
	AUG.	4 0 51	3 20 38
	SEPT.	2 13 35	2 13 22
	OCT.	2 2 19 31 15 3	2 6 13 31 22 17
	NOV.	30 3 47	30 12 58
	○ DEC.	14 22 9 29 16 31	14 13 33 30 1 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 290. E. March. d. h. m. 21 8 40	JAN.	28 5 16	28 13 4
	FEB.	26 18 0	26 22 37
	MAR.	28 6 44	28 7 3
	APRIL	26 19 28	26 15 5
	MAY	26 8 12	25 23 40
	○ JUNE	10 2 34 24 20 56	10 12 6 24 9 49
	JULY	24 9 40	23 22 18
	AUG.	22 22 24	22 13 24
	SEPT.	21 11 8	21 6 41
	OCT.	20 23 52	21 1 5
	NOV.	19 12 36	19 19 17
	○ DEC.	4 6 58 19 1 20	3 22 31 19 12 1
291. D. 21 9 29	JAN.	17 14 4	18 2 28
	FEB.	16 2 48	16 14 18
	MAR.	17 15 32	17 23 49
	APRIL	16 4 16	16 7 40
	MAY	15 17 0	15 14 48
	JUNE	14 5 44	13 22 0
	JULY	13 18 28	13 6 39
	AUG.	12 7 12	11 17 38
	SEPT.	10 19 56	10 7 36
	OCT.	10 8 40	10 0 27
	NOV.	8 21 24	8 19 20
	DEC.	8 10 8	8 14 47
292. C.B. 20 15 18	JAN.	6 22 53	7 9 8
	FEB.	5 11 37	6 1 4
	MAR.	6 0 21	6 13 58
	○ APRIL	4 13 5 19 7 27	5 0 2 19 3 54
	MAY	4 1 49	4 7 58
	JUNE	2 14 33	2 14 45
	JULY	2 3 17 31 16 1	1 21 30 31 5 17
	AUG.	30 4 45	29 15 10
	SEPT.	28 17 29	28 3 52
	○ OCT.	13 11 51 28 6 13	13 17 1 27 19 38
	NOV.	26 18 57	26 13 53
	DEC.	26 7 41	26 9 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 293.			
A. March. d. h. m. 20 21 6	JAN. .	24 20 25	25 4 33
	FEB. .	23 9 9	23 21 27
	MAR. .	24 21 58	25 11 36
	○	8 16 15	8 9 53
	APRIL	23 10 37	23 22 45
	MAY .	22 23 21	23 7 28
	JUNE .	21 12 5	21 14 45
	JULY .	21 0 49	20 21 42
	AUG. .	19 13 33	19 5 22
	SEPT. .	18 2 17	17 14 42
	○	2 20 39	3 2 8
	OCT. .	17 15 1	17 2 22
	NOV. .	16 8 45	15 15 41
	DEC. .	15 16 29	15 9 25
294. G. 21 2 55	JAN. .	14 5 14	14 3 43
	FEB. .	12 17 58	12 22 18
	MAR. .	14 6 42	14 15 46
	○	29 1 4	28 22 53
	APRIL	12 19 26	13 7 2
	MAY .	12 8 10	12 19 38
	JUNE .	10 20 54	11 5 48
	JULY .	10 9 33	10 14 21
	AUG. .	8 22 22	8 22 14
	SEPT. .	7 11 6	7 6 27
	OCT. .	6 23 50	6 15 50
	NOV. .	5 12 34	5 2 50
	DEC. .	5 1 18	4 15 43
295. F. 21 8 44	JAN. .	3 14 3	3 6 29
	FEB. .	2 2 47	1 22 42
	○	16 21 9	17 6 29
	MAR. .	3 15 31	3 15 44
	APRIL	2 4 15	2 8 38
	MAY .	1 16 59	2 0 28
		31 5 43	31 14 32
	JUNE .	29 18 27	30 2 38
	JULY .	29 7 11	29 13 5
	AUG. .	27 19 55	27 22 38
	SEPT. .	26 8 39	26 8 2
	OCT. .	25 21 23	25 17 57
	NOV. .	24 10 7	24 4 43
	DEC. .	23 22 51	23 16 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 296. E.D. March. d. h. m. 20 14 33	JAN. .	22 11 35	22 5 7
	○	6 5 57	6 19 24
	FEB. .	21 0 19	20 18 50
	MAR. .	21 13 3	21 9 32
	APRIL	20 1 47	20 0 59
	MAY .	19 14 31	19 16 35
	JUNE .	18 3 15	18 7 42
	JULY .	17 15 59	17 21 47
	○	1 10 21	31 21 57
	AUG. .	16 4 43	16 10 37
	SEPT. .	14 17 27	14 22 24
	OCT. .	14 6 11	14 9 33
	NOV. .	12 18 55	12 20 27
	DEC. .	12 7 39	12 7 19
297. C. 20 20 22	JAN. .	10 20 23	10 18 8
	○	25 14 45	26 1 19
	FEB. .	9 9 7	9 5 4
	MAR. .	10 21 52	10 16 24
	APRIL	9 10 36	9 4 32
	MAY .	8 23 20	8 17 51
	JUNE .	7 12 4	7 8 25
	JULY .	7 0 48	6 23 51
	○	21 19 10	21 13 13
	AUG. .	5 13 32	5 15 31
	SEPT. .	4 2 16	4 6 44
	OCT. .	3 15 0	3 21 7
	NOV. .	2 3 44	2 10 25
	DEC. .	1 16 28	1 22 42
		31 5 12	31 9 59
298. B. 21 2 11	JAN. .	29 17 56	29 20 18
	FEB. .	28 6 41	28 5 53
	MAR. .	29 19 25	29 15 12
	APRIL	28 8 9	28 0 59
	MAY .	27 20 53	27 12 4
	JUNE .	26 9 37	26 1 1
	JULY .	25 22 21	25 15 57
	AUG. .	24 11 5	24 8 25
	SEPT. .	22 23 49	23 1 34
	OCT. .	22 12 33	22 18 24
	NOV. .	21 1 17	21 10 5
	DEC. .	20 14 1	21 0 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 299.		d. h. m.	d. h. m.
A. March. d. h. m. 21 7 59	JAN.	19 2 45	19 12 2
	FEB.	17 15 29	17 22 14
	MAR.	19 4 13	19 6 58
	APRIL	17 16 57	17 14 53
	MAY	17 5 41	16 22 53
	○	1 0 8	1 10 1
	JUNE	15 18 25	15 8 0
	JULY	15 7 9	14 19 12
	AUG.	13 19 53	13 9 2
	SEPT.	12 8 37	12 1 25
	OCT.	11 21 21	11 19 35
	NOV.	10 10 5	10 14 15
	○	25 4 27	24 20 46
	DEC.	9 22 49	10 8 2
300. G.F. 20 13 48	JAN.	8 11 34	8 23 46
	FEB.	7 0 18	7 12 52
	MAR.	7 13 2	7 23 23
	APRIL	6 1 46	6 7 49
	MAY	5 14 30	5 15 2
	○	20 8 52	20 14 4
	JUNE	4 3 14	3 21 57
	JULY	3 15 58	3 5 44
	AUG.	2 4 42	1 15 27
		31 17 26	31 3 57
	SEPT.	30 6 10	29 19 31
	OCT.	29 18 54	29 13 38
	○	13 13 16	13 12 5
	NOV.	28 7 38	28 9 5
	DEC.	27 20 22	28 4 12
301. E. 20 19 37	JAN.	26 9 7	26 21 28
	FEB.	24 21 51	25 11 51
	MAR.	26 10 35	26 23 11
	APRIL	24 23 19	25 7 59
	○	9 17 41	9 14 41
	MAY	24 12 3	24 15 10
	JUNE	23 0 47	22 21 47
	JULY	22 13 31	22 4 58
	AUG.	21 2 15	20 13 47
	SEPT.	19 14 59	19 1 6
	OCT.	19 3 43	18 15 25
	○	2 22 5	3 3 14
	NOV.	17 16 27	17 8 32
	DEC.	17 5 11	17 3 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 302.		d. h. m.	d. h. m.
D. March. d. h. m. 21 1 26	JAN.	15 17 55	15 22 56
	FEB.	14 6 39	14 17 2
	MAR.	15 19 23	16 8 37
	APRIL	14 8 7	14 21 11
	MAY	13 20 51	14 7 1
	JUNE	12 9 35	12 14 54
	JULY	11 22 19	11 21 58
	AUG.	10 11 3	10 5 18
	SEPT.	8 23 47	8 13 50
	OCT.	8 12 31	8 0 23
	NOV.	7 1 15	6 13 25
	DEC.	6 13 59	6 4 57
303. C. 21 7 15	JAN.	5 2 44	4 22 27
	FEB.	3 15 28	3 16 52
	MAR.	5 4 12	5 10 52
	○	19 22 34	19 22 35
	APRIL	3 16 56	4 3 13
	MAY	3 5 40	3 17 8
	JUNE	1 18 24	2 4 30
	JULY	1 7 8	1 13 52
		30 19 52	30 22 6
	AUG.	29 8 36	29 6 16
	○	13 2 58	12 23 2
	SEPT.	27 21 20	27 15 11
	OCT.	27 10 4	27 1 27
	NOV.	25 22 48	25 13 24
	DEC.	25 11 32	25 3 8
304. B.A. 20 13 4	JAN.	24 0 16	23 18 27
	FEB.	22 13 0	22 10 53
	○	8 7 22	8 15 14
	MAR.	23 1 44	23 3 43
	APRIL	21 14 28	21 20 3
	MAY	21 3 12	21 11 3
	JUNE	19 15 56	20 0 13
	JULY	19 4 40	19 11 33
	AUG.	17 17 24	17 21 46
			31 23 48
	○	1 11 46	
	SEPT.	16 6 8	16 7 24
	OCT.	15 18 52	15 17 13
	NOV.	14 7 36	14 3 40
	DEC.	13 20 20	13 14 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 305. G. March. d. h. m. 20 18 52		d. h. m.	d. h. m.
	JAN.	12 9 4	12 2 54
	FEB.	10 21 49	10 15 52
	MAR.	12 10 33	12 5 48
	APRIL	10 23 17	10 20 38
	MAY	10 12 1	10 12 8
	JUNE	9 0 45	9 3 30
	JULY	8 13 29	8 18 16
	AUG.	7 2 13	7 7 56
	○	21 20 35	21 6 58
	SEPT.	5 14 57	5 20 30
	OCT.	5 3 41	5 8 12
	NOV.	3 16 25	3 19 25
	DEC.	3 5 9	3 6 22
306. F. 21 0 41	JAN.	1 17 54	1 17 11
		31 6 38	31 3 52
	FEB.	...	...
	MAR.	1 19 22	1 14 40
		31 8 6	31 2 2
	APRIL	29 20 50	29 14 28
	MAY	29 9 34	29 4 17
	JUNE	27 22 18	27 19 19
	○	12 16 40	12 13 28
	JULY	27 11 2	27 11 3
	AUG.	25 23 46	26 2 48
	SEPT.	24 12 30	24 17 57
	OCT.	24 1 14	24 8 5
	NOV.	22 13 58	22 21 5
	DEC.	22 2 42	22 8 54
307. E. 21 6 30	○	5 21 4	5 19 38
	JAN.	20 15 26	20 19 37
	FEB.	19 4 10	19 5 21
	MAR.	20 16 54	20 14 29
	APRIL	19 5 38	18 23 41
	MAY	18 18 22	18 9 48
	JUNE	17 7 6	16 21 38
	○	2 1 28	2 6 17
	JULY	16 19 50	16 11 35
	AUG.	15 8 34	15 3 28
	SEPT.	13 21 18	13 20 36
	OCT.	13 10 2	13 13 59
	NOV.	11 22 46	12 6 34
	DEC.	11 11 30	11 21 35
	○	26 5 52	25 21 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 308. D.C. March. d. h. m. 20 12 19		d. h. m.	d. h. m.
	JAN.	10 0 15	10 10 37
	FEB.	8 12 59	8 21 36
	MAR.	9 1 43	9 6 50
	APRIL	7 14 27	7 14 52
	MAY	7 3 11	6 22 32
	JUNE	5 15 55	5 6 49
	○	20 10 17	20 19 5
	JULY	5 4 39	4 16 48
	AUG.	3 17 23	3 5 17
	SEPT.	2 6 7	1 20 32
	OCT.	1 18 51	1 14 5
		31 7 35	31 8 52
	NOV.	29 20 19	30 3 26
	○	14 14 41	14 7 16
	DEC.	29 9 3	29 20 23
309. B. 20 18 8	JAN.	27 21 48	28 10 49
	FEB.	26 10 32	26 22 29
	MAR.	27 23 16	28 7 46
	APRIL	26 12 0	26 15 21
	MAY	26 0 44	25 22 10
	JUNE	24 13 28	24 5 20
	JULY	24 2 12	23 13 59
	AUG.	22 14 56	22 1 3
	SEPT.	21 3 40	20 15 10
	OCT.	20 16 24	20 8 12
	NOV.	19 5 8	19 3 16
	DEC.	18 17 52	18 22 48
310. A. 20 23 57	JAN.	17 6 36	17 17 9
	FEB.	15 19 20	16 8 59
	MAR.	17 8 4	17 21 43
	APRIL	15 20 48	16 7 38
	○	30 15 10	30 10 40
	MAY	15 9 32	15 15 26
	JUNE	13 22 16	13 22 10
	JULY	13 11 0	13 4 59
	AUG.	11 23 44	11 12 57
	SEPT.	10 12 28	9 23 2
	OCT.	10 1 12	9 11 53
	○	24 19 34	25 1 30
	NOV.	8 13 56	8 3 43
	DEC.	8 2 40	7 21 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 311. G. March. d. h. m. 21 5 45		d. h. m.	d. h. m.
	JAN.	6 15 24	6 17 13
	FEB.	5 4 8	5 12 2
	MAR.	6 16 58	7 4 54
	APRIL	5 5 37	5 18 56
	○	19 28 59	19 17 12
	MAY	4 18 21	5 6 2
	JUNE	3 7 5	3 14 47
	JULY	2 19 49	2 22 12
	AUG.	1 8 33	1 5 24
		30 21 17	30 13 23
	SEPT.	29 10 1	28 23 0
	○	14 4 23	14 10 5
	OCT.	28 22 45	28 10 49
	NOV.	27 11 29	27 1 6
	DEC.	27 0 13	26 17 35
312. F.E. 20 11 34	JAN.	25 12 58	25 11 31
	FEB.	24 1 42	24 5 40
	MAR.	24 14 26	24 22 49
	○	8 8 48	8 6 33
	APRIL	23 3 10	23 13 56
	MAY	22 15 54	23 2 35
	JUNE	21 4 38	21 12 58
	JULY	20 17 22	20 21 48
	AUG.	19 6 6	19 6 6
	SEPT.	17 18 50	17 14 45
	OCT.	17 7 34	17 0 27
	NOV.	15 20 18	15 11 36
	DEC.	15 9 2	15 0 22
313. D. 20 17 23	JAN.	13 21 46	13 14 44
	FEB.	12 10 30	12 6 25
	○	27 4 52	27 14 45
	MAR.	13 23 14	13 22 54
	APRIL	12 11 58	12 15 24
	MAY	12 0 42	12 7 3
	JUNE	10 13 26	10 21 13
	JULY	10 2 10	10 9 38
	AUG.	8 14 54	8 20 33
	SEPT.	7 3 33	7 6 37
	OCT.	6 16 22	6 16 32
	NOV.	5 5 6	5 2 46
	DEC.	4 17 50	4 13 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 314. C. March. d. h. m. 20 23 11		d. h. m.	d. h. m.
	JAN.	3 6 35	3 1 10
	FEB.	1 19 19	1 13 25
	○	16 13 41	17 3 30
	MAR.	3 8 3	3 2 34
	APRIL	1 20 47	1 16 39
	MAY	1 9 31	1 7 37
		30 22 15	30 23 3
	JUNE	29 10 59	29 14 16
	JULY	28 23 43	29 4 43
	○	12 13 5	12 5 33
	AUG.	27 12 27	27 13 6
	SEPT.	26 1 11	26 6 30
	OCT.	25 13 55	25 13 11
	NOV.	24 2 39	24 5 22
	DEC.	23 15 23	23 16 16
315. B. 21 5 0	JAN.	22 4 7	22 2 52
	○	5 22 29	6 9 5
	FEB.	20 16 51	20 13 21
	MAR.	22 5 36	22 0 6
	APRIL	20 13 20	20 11 39
	MAY	20 7 4	20 0 33
	JUNE	18 19 48	18 14 56
	JULY	18 8 32	18 6 26
	○	2 2 54	1 20 55
	AUG.	16 21 16	16 22 27
	SEPT.	15 10 0	15 14 15
	OCT.	14 22 44	15 5 14
	NOV.	13 11 28	13 19 2
	DEC.	13 0 12	13 7 35
316. A.G. 20 10 49	JAN.	11 12 56	11 18 49
	FEB.	10 1 40	10 4 52
	MAR.	10 14 24	10 14 1
	APRIL	9 3 8	8 22 50
	MAY	8 15 52	8 8 9
	JUNE	7 4 36	6 18 54
	JULY	6 17 20	6 7 42
	AUG.	5 6 4	4 22 42
	SEPT.	3 18 48	3 15 29
	OCT.	3 7 32	3 9 7
	NOV.	1 20 16	2 2 29
	DEC.	1 9 0	1 18 33
		30 21 44	31 8 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 317. F. March. d. h. m. 20 16 38		d. h. m.	d. h. m.
	JAN. .	29 10 29	29 20 38
	FEB. .	27 28 13	28 6 33
	MAR. .	29 11 57	29 14 55
	APRIL	28 0 41	27 22 28
	MAY .	27 13 25	27 6 10
	○	11 7 47	11 16 52
	JUNE .	26 2 9	25 15 6
	JULY .	25 14 53	25 2 14
	AUG. .	24 3 37	23 16 10
	SEPT. .	22 16 21	22 8 47
	OCT. .	22 5 5	22 3 18
	NOV. .	20 17 49	20 22 19
	○	5 12 11	5 5 38
	DEC. .	20 6 33	20 16 19
318. E. 20 22 27	JAN. .	18 19 17	19 8 5
	FEB. .	17 8 1	17 21 4
	MAR. .	18 20 45	19 7 21
	APRIL	17 9 29	17 15 33
	MAY .	16 22 13	16 22 30
	○	31 16 35	31 20 33
	JUNE .	15 10 57	15 5 19
	JULY .	14 23 41	14 13 5
	AUG. .	13 12 25	12 22 52
	SEPT. .	12 1 9	11 11 30
	OCT. .	11 13 53	11 3 13
	NOV. .	10 2 37	9 21 30
	○	24 20 59	24 21 0
	DEC. .	9 15 21	9 17 4
319. D. 21 4 16	JAN. .	8 4 5	8 12 11
	FEB. .	6 16 50	7 5 22
	MAR. .	8 5 34	8 19 37
	APRIL	6 18 18	7 6 48
	MAY .	6 7 2	6 15 27
	○	21 1 24	20 21 15
	JUNE .	4 19 46	4 22 35
	JULY .	4 8 30	4 5 16
	AUG. .	2 21 14	2 12 36
	SEPT. .	1 9 58	31 21 37
		30 22 42	30 9 7
	OCT. .	30 11 26	29 23 32
	○	14 5 48	14 11 57
	NOV. .	29 0 10	28 16 33
	DEC. .	28 12 54	28 11 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 320. C.B. March. d. h. m. 20 10 4		d. h. m.	d. h. m.
	JAN. .	27 1 39	27 6 39
	FEB. .	25 14 23	26 0 31
	MAR. .	26 3 7	26 15 55
	APRIL	24 15 51	25 4 25
	MAY .	24 4 35	24 14 15
	JUNE .	22 17 19	22 22 17
	JULY .	22 6 8	22 5 35
	AUG. .	20 18 47	20 13 13
	SEPT. .	19 7 31	18 22 4
	OCT. .	18 20 15	18 8 51
	NOV. .	17 8 59	16 21 55
	DEC. .	16 21 43	16 13 17
321. A. 20 15 53	JAN. .	15 10 27	15 6 24
	FEB. .	13 23 11	14 0 22
	MAR. .	15 11 55	15 17 59
	○	30 6 17	30 6 28
	APRIL	14 0 39	14 10 7
	MAY .	13 13 23	13 23 59
	JUNE .	12 2 7	12 11 30
	JULY .	11 14 51	11 21 10
	AUG. .	10 3 35	10 5 49
	SEPT. .	8 16 19	8 14 24
	○	23 10 41	23 6 22
	OCT. .	8 5 3	7 23 41
	NOV. .	6 17 47	6 10 12
	DEC. .	6 6 31	5 22 9
322. G. 20 21 42	JAN. .	4 19 15	4 11 35
	FEB. .	3 7 59	3 2 25
	MAR. .	4 20 44	4 18 17
	○	19 15 6	19 23 17
	APRIL	3 9 28	3 10 38
	MAY .	2 22 12	3 2 41
	JUNE .	1 10 56	1 17 38
		30 23 40	1 7 3
	JULY .	30 12 24	30 18 54
	AUG. .	29 1 8	29 5 34
	○	12 19 30	12 7 13
	SEPT. .	27 13 52	27 15 44
	OCT. .	27 2 36	27 1 57
	NOV. .	25 15 20	25 12 36
	DEC. .	25 4 4	24 23 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 323.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 21 8 31	JAN. .	23 16 49	23 11 27
	FEB. .	22 5 33	21 23 51
	MAR. .	23 18 17	23 18 9
	APRIL	22 7 1	22 3 27
	MAY .	21 19 45	21 18 34
	JUNE .	20 8 29	20 9 57
	JULY .	19 21 13	20 1 0
	AUG. .	18 9 57	18 15 10
	○	2 4 19	1 14 42
	SEPT. .	16 22 41	17 4 21
	OCT. .	16 11 25	16 16 33
	NOV. .	15 0 9	15 4 14
	DEC. .	14 12 53	14 15 21
324. E.D. 20 9 20	JAN. .	13 1 37	13 2 1
	FEB. .	11 14 21	11 12 20
	MAR. .	12 3 5	11 22 36
	APRIL	10 15 49	10 9 23
	MAY .	10 4 33	9 21 19
	JUNE .	8 17 17	8 10 49
	JULY .	8 6 1	8 1 48
	○	23 0 23	22 21 4
	AUG. .	6 18 45	6 17 49
	SEPT. .	5 7 29	5 10 3
	OCT. .	4 20 13	5 1 48
	NOV. .	3 8 57	3 16 30
	DEC. .	2 21 41	3 5 51
325. C. 20 15 9	JAN. ○	1 10 25	1 17 46
		16 4 47	16 3 28
		30 23 9	31 4 17
	FEB. .	...	...
	MAR. .	1 11 54	1 13 39
		31 0 33	30 22 20
	APRIL	29 13 22	29 7 4
	MAY .	29 2 6	28 16 48
	JUNE .	27 14 50	27 4 24
	○	12 9 12	12 13 44
	JULY .	27 3 34	26 18 19
	AUG. .	25 16 18	25 10 25
	SEPT. .	24 5 2	24 3 59
	OCT. .	23 17 46	23 21 52
	NOV. .	22 6 30	22 14 54
	DEC. .	21 19 14	22 6 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 326.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 20 20 57	○	5 18 36	5 6 10
	JAN. .	20 7 59	20 19 14
	FEB. .	18 20 43	19 6 1
	MAR. .	20 9 27	20 14 55
	APRIL	18 22 11	18 22 35
	MAY .	18 10 55	18 5 56
	JUNE .	16 23 39	16 14 0
	○	1 18 1	2 2 5
	JULY .	16 12 23	15 23 54
	AUG. .	15 1 7	14 12 25
	SEPT. .	13 13 51	13 3 50
	OCT. .	13 2 35	12 21 42
	NOV. .	11 15 19	11 16 47
	DEC. .	11 4 3	11 11 35
	○	25 22 25	25 16 4
327. A. 21 2 46	JAN. .	9 16 47	10 4 39
	FEB. .	8 5 31	8 19 2
	MAR. .	9 18 15	10 6 31
	APRIL	8 6 59	8 15 31
	MAY .	7 19 43	7 22 58
	JUNE .	6 8 27	6 5 35
	JULY .	5 21 11	5 12 44
	AUG. .	4 9 55	3 21 25
	SEPT. .	2 22 39	2 8 37
	OCT. .	2 11 23	1 22 53
	NOV. .	1 0 7	31 16 4
		30 12 51	30 11 13
	DEC. .	30 1 35	30 6 46
328. G.F. 20 8 35	JAN. .	28 14 20	29 1 3
	FEB. .	27 3 4	27 16 44
	MAR. .	27 15 48	28 5 21
	APRIL	26 4 32	26 15 7
	○	10 22 54	10 17 22
	MAY .	25 17 16	25 22 52
	JUNE .	24 6 0	24 5 39
	JULY .	23 18 44	23 12 36
	AUG. .	22 7 28	21 20 46
	SEPT. .	20 20 12	20 7 3
	OCT. .	20 8 56	19 20 4
	○	4 3 18	4 10 5
	NOV. .	18 21 40	18 11 54
	DEC. .	18 10 24	18 5 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 329.		d. h. m.	d. h. m.
E. March. d. h. m. 20 14 24	JAN. .	16 23 9	17 1 2
	FEB. .	15 11 53	15 19 34
	MAR. .	17 0 37	17 12 13
	APRIL	15 13 21	16 2 7
	○	30 7 43	30 0 25
	MAY .	15 2 5	15 13 12
	JUNE .	13 14 49	13 22 4
	JULY .	13 8 33	13 5 43
	AUG. .	11 16 17	11 13 14
	SEPT. .	10 5 1	9 21 33
	OCT. .	9 17 45	9 7 25
	○	24 12 7	24 13 7
	NOV. .	8 6 29	7 19 23
	DEC. .	7 19 13	7 9 34
330. D. 20 20 13	JAN. .	6 7 57	6 1 44
	FEB. .	4 20 41	4 19 12
	MAR. .	6 9 25	6 12 54
	APRIL	4 22 9	5 5 43
	○	19 16 31	19 14 17
	MAY .	4 10 53	4 20 44
	JUNE .	2 23 37	3 9 28
	JULY .	2 12 21	2 20 7
	AUG. .	1 1 5	1 5 20
		30 13 49	30 14 5
	SEPT. .	29 2 33	28 23 8
	OCT. .	28 15 17	28 9 9
	NOV. .	27 4 1	26 20 25
	DEC. .	26 16 45	26 9 1
331. C. 21 2 2	JAN. .	25 5 30	24 22 57
	FEB. .	23 18 14	23 14 8
	○	10 12 36	10 22 51
	MAR. .	25 6 58	25 5 58
	APRIL	23 19 42	23 22 4
	MAY .	23 8 26	23 18 36
	JUNE .	21 21 10	22 3 54
	JULY .	21 9 54	21 16 41
	AUG. .	19 22 38	20 4 8
	SEPT. .	18 11 22	18 14 45
	OCT. .	18 0 6	18 1 8
	NOV. .	16 12 50	16 11 41
	DEC. .	16 1 31	15 22 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 332.		d. h. m.	d. h. m.
B.A. March. d. h. m. 20 7 50	JAN. .	14 14 18	14 9 52
	FEB. .	13 8 2	12 21 33
	○	27 21 24	28 11 25
	MAR. .	13 15 46	13 10 9
	APRIL	12 4 30	11 23 39
	MAY .	11 17 14	11 14 13
	JUNE .	10 5 58	10 5 23
	JULY .	9 18 42	9 20 50
	AUG. .	8 7 26	8 11 43
	○	23 1 48	22 13 15
	SEPT. .	6 20 10	7 1 41
	OCT. .	6 8 54	6 14 41
	NOV. .	4 21 38	5 2 51
	DEC. .	4 10 22	4 14 19
333. G. 20 13 39	JAN. .	2 23 7	3 1 12
	FEB. .	1 11 51	1 11 30
	○	16 6 13	16 16 42
	MAR. .	3 0 35	2 21 30
	APRIL	1 13 19	1 7 40
			30 18 42
	MAY .	1 2 3	
		30 14 47	30 7 12
	JUNE .	29 3 31	28 21 25
	JULY .	28 16 15	28 13 3
	○	12 10 37	12 4 43
	AUG. .	27 4 59	27 5 29
	SEPT. .	25 17 43	25 21 52
	OCT. .	25 6 27	25 13 25
	NOV. .	23 19 11	24 3 41
	DEC. .	23 7 55	23 16 25
334. F. 20 19 28	JAN. .	21 20 40	22 3 35
	FEB. .	20 9 24	20 13 20
	MAR. .	21 22 8	21 22 1
	APRIL	20 10 52	20 6 24
	MAY .	19 23 36	19 15 20
	JUNE .	18 12 20	18 1 46
	JULY .	18 1 4	17 14 28
	AUG. .	16 13 48	16 5 36
	SEPT. .	15 2 32	14 22 44
	OCT. .	14 15 16	14 16 49
	NOV. .	13 4 0	13 10 37
	DEC. .	12 16 44	13 3 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 335.		d. h. m.	d. h. m.
E. March. d. h. m. 21 1 17	JAN.	11 5 28	11 17 16
	FEB.	9 18 12	10 5 5
	MAR.	11 6 56	11 14 42
	APRIL	9 19 40	9 22 43
	MAY	9 8 24	9 5 58
	JUNE	7 21 8	7 18 26
	○	22 15 30	22 23 41
	JULY	7 9 52	6 22 15
	AUG.	5 22 36	5 9 22
	SEPT.	4 11 20	3 23 25
	OCT.	4 0 4	3 16 18
	NOV.	2 12 48	2 11 5
	DEC.	2 1 32	2 6 20
	○	16 19 54	16 14 31
		31 14 16	...
336. D.C. 20 7 6	JAN.	...	1 0 30
		30 3 1	30 16 18
	FEB.	28 15 45	29 5 8
	MAR.	29 4 29	29 15 12
	APRIL	27 17 13	27 23 10
	MAY	27 5 57	27 5 59
	○	11 0 19	11 3 1
	JUNE	25 18 41	25 12 45
	JULY	25 7 25	24 20 34
	AUG.	23 20 9	23 6 28
	SEPT.	22 8 53	21 19 16
	OCT.	21 21 37	21 11 6
	NOV.	20 10 21	20 5 28
	○	5 4 43	5 6 0
	DEC.	19 23 5	20 1 1
337. B. 20 12 54	JAN.	18 11 49	18 20 5
	FEB.	17 0 33	17 13 7
	MAR.	18 13 18	19 3 13
	APRIL	17 2 2	17 14 17
	MAY	16 14 46	16 22 52
	○	31 9 8	31 3 47
	JUNE	15 3 30	15 6 1
	JULY	14 16 14	14 12 50
	AUG.	13 4 58	12 20 23
	SEPT.	11 17 42	11 5 38
	OCT.	11 6 26	10 17 19
	NOV.	9 19 10	9 7 47
	○	24 13 32	24 20 44
	DEC.	9 7 54	9 0 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 338.		d. h. m.	d. h. m.
A. March. d. h. m. 20 18 43	JAN.	7 20 38	7 19 24
	FEB.	6 9 22	6 14 14
	MAR.	7 22 6	8 7 51
	APRIL	6 10 50	6 23 4
	MAY	5 23 34	6 11 30
	JUNE	4 12 18	4 21 26
	JULY	4 1 2	4 5 41
	AUG.	2 13 46	2 13 17
			31 21 14
	SEPT.	1 2 30	
		30 15 14	30 6 26
	OCT.	30 3 58	29 17 25
	NOV.	28 16 42	28 6 28
	DEC.	28 5 26	27 21 35
339. G. 21 0 32	JAN.	26 18 11	26 14 17
	FEB.	25 6 55	25 7 46
	MAR.	26 19 39	27 0 59
	♁	10 14 1	10 14 16
	APRIL	25 8 23	25 16 52
	MAY	24 21 7	25 6 45
	JUNE	23 9 51	23 18 31
	JULY	22 22 35	23 4 32
	AUG.	21 11 19	21 13 38
	SEPT.	20 0 3	19 22 41
	○	4 18 25	4 13 50
	OCT.	19 12 47	19 8 22
	NOV.	18 1 31	17 19 3
	DEC.	17 14 15	17 6 56
340. F.E. 20 6 21	JAN.	16 2 59	15 20 1
	FEB.	14 15 43	14 10 18
	MAR.	15 4 28	15 1 34
	○	29 22 50	30 7 11
	APRIL	13 17 12	13 17 25
	MAY	13 5 56	13 9 12
	JUNE	11 18 40	12 0 12
	JULY	11 7 24	11 13 55
	AUG.	9 20 8	10 2 15
	SEPT.	8 8 52	8 13 29
	○	28 3 14	22 14 49
	OCT.	7 21 36	8 0 11
	NOV.	6 10 20	6 10 48
	DEC.	5 23 4	5 21 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 341.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 20 12 10	JAN. .	4 11 48	4 8 36
	FEB. .	3 0 32	2 19 52
	MAR. .	4 13 16	4 7 42
	APRIL	3 2 0	2 20 23
	MAY .	2 14 44	2 10 11
	JUNE .	1 3 28 30 16 12	1 1 1 30 16 26
	JULY .	30 4 56	30 7 47
	AUG. .	28 17 40	28 22 31
	○	12 12 2	11 22 34
	SEPT. .	27 6 24	27 12 18
	OCT. .	26 19 8	27 1 8
	NOV. .	25 7 52	25 18 7
	DEC. .	24 20 36	25 0 18
342. C. 20 17 59	JAN. .	23 9 21	23 10 47
	FEB. .	21 22 5	21 20 40
	MAR. .	23 10 49	23 6 24
	APRIL	21 23 33	21 16 39
	MAY .	21 12 17	21 4 9
	JUNE .	20 1 1	19 17 28
	JULY .	19 13 45	19 8 24
	○	3 8 7	3 4 48
	AUG. .	18 2 29	18 0 43
	SEPT. .	16 15 13	16 17 28
	OCT. .	16 3 57	16 9 46
	NOV. .	14 16 41	15 0 59
	DEC. .	14 5 25	14 14 38
343. B. 20 23 47	JAN. .	12 18 9	13 2 34
	○	27 12 31	27 11 15
	FEB. .	11 6 53	11 12 50
	MAR. .	12 19 38	12 21 49
	APRIL	11 8 22	11 6 4
	MAY .	10 21 6	10 14 23
	JUNE .	9 9 50	8 23 49
	JULY .	8 22 34	8 11 15
	○	23 16 56	23 21 12
	AUG. .	7 11 18	7 1 13
	SEPT. .	6 0 2	5 17 33
	OCT. .	5 12 46	5 11 30
	NOV. .	4 1 30	4 5 49
	DEC. .	3 14 14	3 23 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 344. A.G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 20 5 36	JAN. ○	2 2 58 16 21 20 31 15 42	2 14 41 16 14 26 ...
	FEB. .	...	1 3 41
	MAR. .	1 4 26 30 17 10	1 14 14 30 22 50
	APRIL	29 5 54	29 6 11
	MAY .	28 18 38	28 13 18
	JUNE .	27 7 22	26 21 14
	○	12 1 44	12 9 5
	JULY .	26 20 6	26 7 5
	AUG. .	25 8 50	24 19 42
	SEPT. .	23 21 34	23 11 17
	OCT. .	23 10 18	23 5 23
	NOV. .	21 23 2	22 0 44
	DEC. .	21 11 46	21 19 42
345. F. 20 11 25	○	5 6 8	5 0 47
	JAN. .	20 0 31	20 12 48
	FEB. .	18 13 15	19 3 6
	MAR. .	20 1 59	20 14 24
	APRIL	18 14 43	18 23 12
	MAY .	18 3 27	18 6 24
	JUNE .	16 16 11	16 13 1
	JULY .	16 4 55	15 20 12
	AUG. .	14 17 39	14 5 0
	SEPT. .	13 6 23	12 16 22
	OCT. .	12 19 7	12 6 47
	NOV. .	11 7 51	11 0 2
	DEC. .	10 20 35	10 19 11
346. E. 20 17 14	JAN. .	9 9 19	9 14 40
	FEB. .	7 22 3	8 8 47
	MAR. .	9 10 47	10 0 20
	APRIL	7 23 31	8 12 48
	MAY .	7 12 15	7 22 28
	○	22 6 37	22 0 1
	JUNE .	6 0 59	6 6 14
	JULY .	5 13 43	5 13 9
	AUG. .	4 2 27	3 20 18
	SEPT. .	2 15 11	2 4 44
	OCT. .	2 3 55 31 16 39	1 15 15 31 4 22
	○	15 11 1	15 18 42
	NOV. .	30 5 23	29 20 8
	DEC. .	29 18 7	29 13 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 347.		d. h. m.	d. h. m.
D. March. d. h. m. 20 23 8	JAN.	28 6 52	28 8 45
	FEB.	26 19 36	27 2 57
	MAR.	28 8 20	28 19 21
	APRIL	26 21 4	27 9 9
	○	11 15 26	11 7 36
	MAY	26 9 48	26 20 18
	JUNE	24 22 32	25 5 21
	JULY	24 11 16	24 13 16
	AUG.	23 0 0	22 21 8
	SEPT.	21 12 44	21 5 49
	OCT.	21 1 28	20 15 58
	○	4 19 50	5 2 13
	NOV.	19 14 12	19 4 1
	DEC.	19 2 56	18 18 2
348. C.B. 20 4 52	JAN.	17 15 41	17 9 50
	FEB.	16 4 25	16 2 47
	MAR.	16 17 9	16 20 1
	APRIL	15 5 53	15 12 31
	○	30 0 15	29 21 51
	MAY	14 18 37	15 8 26
	JUNE	13 7 21	13 16 19
	JULY	12 20 5	13 3 18
	AUG.	11 8 49	11 12 59
	SEPT.	9 21 33	9 22 12
	OCT.	9 10 17	9 7 43
	NOV.	7 23 1	7 18 0
	DEC.	7 11 45	7 5 17
349. A. 20 10 40	JAN.	6 0 29	5 17 38
	FEB.	4 13 13	4 7 4
	MAR.	6 1 57	5 21 34
	APRIL	4 14 41	4 12 55
	MAY	4 3 25	4 4 38
	JUNE	2 16 9	2 20 4
	JULY	2 4 53	2 10 34
		31 17 37	31 23 48
	AUG.	30 6 21	30 11 48
	SEPT.	28 19 5	28 23 0
	OCT.	28 7 49	28 9 51
	NOV.	26 20 33	26 20 38
	DEC.	26 9 17	26 7 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 350.		d. h. m.	d. h. m.
G. March. d. h. m. 20 16 29	JAN.	24 22 2	24 18 29
	FEB.	23 10 46	23 5 44
	○	10 5 8	10 19 10
	MAR.	24 23 30	24 17 39
	APRIL	23 12 14	23 6 33
	MAY	23 0 58	22 20 45
	JUNE	21 13 42	21 11 54
	JULY	21 2 26	21 3 29
	AUG.	19 15 10	19 18 50
	○	3 9 32	2 21 8
	SEPT.	18 3 54	18 9 24
	OCT.	17 16 38	17 23 0
	NOV.	16 5 22	16 11 36
	DEC.	15 18 6	15 23 16
351. F. 20 22 18	JAN.	14 6 51	14 10 2
	FEB.	12 19 35	12 20 1
	○	27 13 57	28 0 11
	MAR.	14 8 19	14 5 31
	APRIL	12 21 3	12 15 9
	MAY	12 9 47	12 1 42
	JUNE	10 22 31	10 13 53
	JULY	10 11 15	10 4 0
	AUG.	8 23 59	8 19 50
	○	23 18 21	23 12 39
	SEPT.	7 12 43	7 12 41
	OCT.	7 1 27	7 5 36
	NOV.	5 14 11	5 21 42
	DEC.	5 2 55	5 12 20
352. E.D. 20 4 7	JAN.	3 15 39	4 1 1
	FEB.	2 4 23	2 12 11
	MAR.	2 17 7	2 21 36
	APRIL	1 5 51	1 5 54
		30 18 35	30 13 52
	MAY	30 7 19	29 22 28
	JUNE	28 20 3	28 8 42
	JULY	28 8 47	27 21 21
	○	12 3 9	12 5 15
	AUG.	26 21 31	26 12 38
	SEPT.	25 10 15	25 6 4
	OCT.	24 22 59	25 0 35
	NOV.	23 11 43	23 18 47
	DEC.	23 0 27	23 11 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 353. C. March. *d. h. m.* 20 9 56	JAN.	21 13 12	22 1 48
	FEB.	20 1 56	20 13 23
	MAR.	21 14 40	21 22 44
	APRIL	20 8 24	20 6 27
	MAY	19 16 8	19 13 26
	JUNE	18 4 52	17 20 45
	○	2 23 14	3 6 32
	JULY	17 17 36	17 5 30
	AUG.	16 6 20	15 16 41
	SEPT.	14 19 4	14 6 52
	OCT.	14 7 48	13 23 56
	NOV.	12 20 32	12 18 56
	DEC.	12 9 16	12 14 23
	○	27 8 38	26 23 22
354. B. 20 15 45	JAN.	10 22 1	11 8 38
	FEB.	9 10 45	10 0 20
	MAR.	10 23 29	11 13 2
	APRIL	9 12 13	9 22 54
	MAY	9 0 57	9 6 42
	JUNE	7 13 41	7 13 26
	○	22 8 8	22 9 29
	JULY	7 2 25	6 20 12
	AUG.	5 15 9	5 4 9
	SEPT.	4 8 53	3 14 13
	OCT.	3 16 37	3 3 9
	NOV.	2 5 21	1 19 7
	DEC. ○	1 18 5	1 13 28
		16 12 27	16 14 59
		31 6 49	31 8 58
355. A. 20 21 33	JAN.	29 19 33	30 3 52
	FEB.	28 8 17	28 20 43
	MAR.	29 21 1	30 10 39
	APRIL	28 9 45	28 21 37
	MAY	27 22 29	28 6 13
	○	11 16 51	11 10 19
	JUNE	26 11 13	26 13 27
	JULY	25 23 57	25 20 27
	AUG.	24 12 41	24 4 16
	SEPT.	23 1 25	22 13 47
	OCT.	22 14 9	22 1 39
	NOV.	21 2 53	20 16 8
	○	5 21 15	6 5 30
	DEC.	20 15 37	20 8 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 356. G.F. March. *d. h. m.* 20 8 22	JAN.	19 4 22	19 3 15
	FEB.	17 17 6	17 21 43
	MAR.	18 5 50	18 15 1
	APRIL	16 18 34	17 6 5
	MAY	16 7 18	16 18 32
	JUNE	14 20 2	15 4 36
	JULY	14 8 46	14 13 7
	AUG.	12 21 30	12 21 4
	SEPT.	11 10 14	11 5 26
	OCT.	10 22 58	10 14 57
	NOV.	9 11 42	9 2 6
	DEC.	9 0 26	8 15 6
357. E. 20 9 11	JAN.	7 13 11	7 5 53
	FEB.	6 1 55	5 22 5
	MAR.	7 14 39	7 15 3
	APRIL	6 3 23	6 7 50
	○	20 21 45	20 21 58
	MAY	5 16 7	5 23 32
	JUNE	4 4 51	4 13 30
	JULY	3 17 35	4 1 32
	AUG.	2 6 19	2 11 59
		31 19 3	31 21 35
	SEPT.	30 7 47	30 7 6
	○	15 2 9	14 21 26
	OCT.	29 20 31	29 17 9
	NOV.	28 9 15	28 3 58
	DEC.	27 21 59	27 15 42
358. D. 20 15 0	JAN.	26 10 43	26 4 23
	FEB.	24 23 27	24 18 4
	MAR.	26 12 11	26 8 43
	○	10 6 33	10 14 57
	APRIL	25 0 55	25 0 6
	MAY	24 13 39	24 15 39
	JUNE	23 2 23	23 6 45
	JULY	22 15 7	22 20 49
	AUG.	21 3 51	21 9 40
	SEPT.	19 16 35	19 21 31
	○	4 10 57	3 22 34
	OCT.	19 5 19	19 8 44
	NOV.	17 18 3	17 19 41
	DEC.	17 6 47	17 6 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 359. C. March. d. h. m. 20 20 49		d. h. m.	d. h. m.
	JAN. .	15 19 32	15 17 22
	FEB. .	14 8 16	14 4 18
	MAR. .	15 21 0	15 15 27
	○	30 15 22	31 4 51
	APRIL	14 9 44	14 3 33
	MAY .	13 22 28	13 16 52
	JUNE .	12 11 12	12 7 29
	JULY .	11 23 56	11 22 58
	AUG. .	10 12 40	10 14 41
	SEPT. .	9 1 24	9 5 58
	○	23 19 46	23 6 37
	OCT. .	8 14 8	8 20 23
	NOV. .	7 2 52	7 9 44
	DEC. .	6 15 36	6 21 59
360. B.A. 20 2 38	JAN. .	5 4 20	5 9 11
	FEB. .	3 17 4	3 19 25
	MAR. .	4 5 48	4 4 52
	APRIL	2 18 32	2 14 5
	MAY .	2 7 16	1 23 50
		31 20 0	31 10 58
	JUNE .	30 8 44	30 0 1
	JULY .	29 21 28	29 15 5
	AUG. .	28 10 12	28 7 42
	SEPT. .	26 22 56	27 0 56
	OCT. .	26 11 40	26 17 49
	NOV. .	25 0 24	25 9 28
	DEC. .	24 13 8	24 23 20
361. C. 20 8 26	JAN. .	23 1 53	23 11 14
	○	6 20 15	6 18 55
	FEB. .	21 14 37	21 21 16
	MAR. .	23 3 21	23 5 51
	APRIL	21 16 5	21 13 41
	MAY .	21 4 49	20 21 39
	JUNE .	19 17 33	19 6 50
	JULY .	19 6 17	18 18 11
	○	3 0 39	3 4 46
	AUG. .	17 19 1	17 8 12
	SEPT. .	16 7 45	16 0 47
	OCT. .	15 20 29	15 19 5
	NOV. .	14 9 13	14 13 49
	DEC. .	13 21 57	14 7 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 362. F. March. d. h. m. 20 14 15		d. h. m.	d. h. m.
	JAN. .	12 10 42	12 23 7
	○	27 5 4	26 22 37
	FEB. .	10 23 26	11 12 2
	MAR. .	12 12 10	12 22 20
	APRIL	11 0 54	11 6 33
	MAY .	10 13 38	10 13 44
	JUNE .	9 2 22	8 20 40
	JULY .	8 15 6	8 4 31
	○	28 9 28	23 16 11
	AUG. .	7 3 50	6 14 25
	SEPT. .	5 16 34	5 3 8
	OCT. .	5 5 18	4 18 55
	NOV. .	3 18 2	3 13 12
	DEC. .	3 6 46	3 8 43
363. E. 20 20 4	JAN. ○	1 19 30	2 3 46
		16 13 52	16 9 28
		31 8 14	31 20 49
	FEB. .	...	...
	MAR. .	1 20 58	2 10 59
		31 9 42	31 22 6
	APRIL	29 22 26	30 6 45
	MAY .	29 11 10	29 13 51
	JUNE .	27 23 54	27 20 28
	JULY .	27 12 38	27 3 45
	AUG. .	26 1 22	25 12 44
	SEPT. .	24 14 6	24 0 16
	OCT. .	24 2 50	23 14 47
	NOV. .	22 15 34	22 8 5
	DEC. .	22 4 18	22 3 9
364. D.C. 20 1 53	JAN. .	20 17 3	20 22 23
	FEB. .	19 5 47	19 16 23
	MAR. .	19 18 31	20 7 46
	APRIL	18 7 15	18 20 7
	MAY .	17 19 59	18 5 48
	○	1 14 21	1 6 41
	JUNE .	16 8 43	16 13 37
	JULY .	15 21 27	15 20 42
	AUG. .	14 10 11	14 4 8
	SEPT. .	12 22 55	12 12 52
	OCT. .	12 11 39	11 23 35
	NOV. .	11 0 23	10 12 47
	○	25 18 45	26 3 21
	DEC. .	10 13 7	10 4 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 365.		d. h. m.	d. h. m.
B. March. d. h. m. 20 7 42	JAN. .	9 1 52	8 21 59
	FEB. .	7 14 36	7 16 20
	MAR. .	9 8 20	9 10 11
	APRIL	7 16 4	8 2 21
	MAY .	7 4 48	7 16 6
	○	21 23 10	21 14 44
	JUNE .	5 17 32	6 3 21
	JULY .	5 6 16	5 12 39
	AUG. .	8 19 0	8 20 57
	SEPT. .	2 7 44	2 5 12
	OCT. .	1 20 28	1 14 15
		31 9 12	31 0 41
	○	15 3 34	15 10 23
	NOV. .	29 21 56	29 12 43
	DEC. .	29 10 40	29 2 31
366. A. 20 13 31	JAN. .	27 23 24	27 17 50
	FEB. .	26 12 8	26 10 13
	MAR. .	28 0 52	28 2 58
	APRIL	26 13 36	26 19 11
	○	11 7 58	11 5 19
	MAY .	26 2 20	26 10 4
	JUNE .	24 15 4	24 23 9
	JULY .	24 3 48	24 10 32
	AUG. .	22 16 32	22 20 43
	SEPT. .	21 5 16	21 6 26
	OCT. .	20 18 0	20 16 23
	○	4 12 22	4 10 52
	NOV. .	19 6 44	19 2 53
	DEC. .	18 19 28	18 14 8
367. G. 20 19 19	JAN. .	17 8 12	17 2 10
	FEB. .	15 20 56	15 15 5
	MAR. .	17 9 41	17 4 58
	APRIL	15 22 25	15 19 46
	MAY .	15 11 9	15 11 8
	JUNE .	13 23 53	14 2 33
	JULY .	13 12 37	13 17 18
	AUG. .	12 1 21	12 7 0
	SEPT. .	10 14 5	10 19 36
	OCT. .	10 2 49	10 7 22
	NOV. .	8 15 33	8 18 55
	DEC. .	8 4 17	8 5 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 368.		d. h. m.	d. h. m.
F.E. March. d. h. m. 20 1 8	JAN. .	6 17 2	6 16 24
	FEB. .	5 5 46	5 8 1
	MAR. .	5 18 30	5 13 44
	○	20 12 52	21 2 45
	APRIL	4 7 14	4 1 2
	MAY .	3 19 58	3 13 28
	JUNE .	2 8 42	2 3 19
	JULY .	1 21 26	1 18 24
		31 10 10	31 10 13
	AUG. .	29 22 54	30 2 1
	○	13 17 16	13 5 10
	SEPT. .	28 11 38	28 17 14
	OCT. .	28 0 22	28 7 24
	NOV. .	26 13 6	26 20 24
	DEC. .	26 1 50	26 8 10
369. D. 20 6 57	JAN. .	24 14 34	24 18 47
	FEB. .	23 3 18	23 4 23
	○	9 21 40	10 7 28
	MAR. .	24 16 2	24 13 24
	APRIL	23 4 46	22 22 33
	MAY .	22 17 30	22 8 41
	JUNE .	21 6 14	20 20 35
	JULY .	20 18 58	20 10 40
	AUG. .	19 7 42	19 2 42
	○	3 2 4	2 20 43
	SEPT. .	17 20 26	17 19 57
	OCT. .	17 9 10	17 13 24
	NOV. .	15 21 54	16 6 1
	DEC. .	15 10 38	15 20 57
370. C. 20 12 46	JAN. .	13 23 23	14 9 52
	FEB. .	12 12 7	12 20 42
	MAR. .	14 0 51	14 5 45
	APRIL	12 13 35	12 13 40
	MAY .	12 2 19	11 21 17
	JUNE .	10 15 3	10 5 37
	JULY .	10 3 47	9 15 43
	AUG. .	8 16 31	8 4 22
	○	23 10 53	23 13 6
	SEPT. .	7 5 15	6 19 49
	OCT. .	6 17 59	6 13 34
	NOV. .	5 6 43	5 8 27
	DEC. .	4 19 27	5 2 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 371.		d. h. m.	d. h. m.
B. March. d. h. m. 20 18 35	JAN.	8 8 11	8 19 48
	FEB.	1 20 56	2 10 4
	MAR.	3 9 40	3 21 33
	APRIL	1 22 24	2 6 38
	MAY	1 11 8	1 14 5
		30 23 52	30 20 52
	JUNE	29 12 36	29 4 5
	○	14 6 58	14 13 25
	JULY	29 1 20	28 12 52
	AUG.	27 14 4	27 0 9
	SEPT.	26 2 48	25 14 29
	OCT.	25 15 32	25 7 48
	NOV.	24 4 16	24 2 58
	DEC.	23 17 0	23 22 24
372. A.G. 20 0 24	○	7 11 22	7 8 12
	JAN.	22 5 44	22 16 36
	FEB.	20 18 28	21 8 13
	MAR.	21 7 12	21 20 45
	APRIL	19 19 56	20 6 28
	MAY	19 8 40	19 14 9
	JUNE	17 21 24	17 20 52
	○	2 15 46	2 15 58
	JULY	17 10 8	17 3 44
	AUG.	15 22 52	15 11 51
	SEPT.	14 11 36	13 22 7
	OCT.	14 0 20	13 11 13
	NOV.	12 13 4	12 3 13
	DEC.	12 1 48	11 21 30
	○	26 20 10	26 23 55
373. F. 20 6 12	JAN.	10 14 33	10 16 49
	FEB.	9 8 17	9 11 30
	MAR.	10 16 1	11 4 8
	APRIL	9 4 45	9 17 57
	MAY	8 17 29	9 4 52
	JUNE	7 6 13	7 13 31
	○	22 0 35	21 16 54
	JULY	6 18 57	6 20 56
	AUG.	5 7 41	5 4 12
	SEPT.	3 20 25	3 12 19
	OCT.	3 9 9	2 22 7
	NOV.	1 21 53	1 10 7
	DEC. ○	1 10 37	1 0 33
		16 4 59	16 14 17
		30 23 21	30 17 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 374.		d. h. m.	d. h. m.
E. March. d. h. m. 20 12 1	JAN.	29 12 5	29 10 59
	FEB.	28 0 49	28 5 2
	MAR.	29 13 33	29 22 0
	APRIL	28 2 17	28 12 58
	MAY	27 15 1	28 1 28
	JUNE	26 3 45	26 11 46
	JULY	25 16 29	25 20 37
	AUG.	24 5 13	24 4 58
	SEPT.	22 17 57	22 13 45
	OCT.	22 6 41	21 23 35
	NOV.	20 19 25	20 10 51
	DEC.	20 8 9	19 23 43
375. D. 20 17 50	JAN.	18 20 54	18 14 7
	FEB.	17 9 38	17 5 46
	MAR.	18 22 22	18 22 9
	APRIL	17 11 6	17 14 33
	○	2 5 28	2 5 33
	MAY	16 23 50	17 6 7
	JUNE	15 12 34	15 20 11
	JULY	15 1 18	15 8 34
	AUG.	13 14 2	13 19 31
	SEPT.	12 2 46	12 5 39
	OCT.	11 15 30	11 15 39
	○	26 9 52	26 5 9
	NOV.	10 4 14	10 1 58
	DEC.	9 16 58	9 12 58
376. C.B. 19 23 39	JAN.	8 5 43	8 0 25
	FEB.	6 18 27	6 12 39
	MAR.	7 7 11	7 1 44
	APRIL	5 19 55	5 15 46
	○	20 14 17	20 22 36
	MAY	5 8 39	5 6 43
	JUNE	3 21 23	3 22 7
	JULY	3 10 7	3 13 19
	AUG.	1 22 51	2 3 47
		31 11 35	31 17 13
	SEPT.	30 0 19	30 5 40
	○	14 18 41	14 6 29
	OCT.	29 13 3	29 17 23
	NOV.	28 1 47	28 4 38
	DEC.	27 14 31	27 15 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 377.		d. h. m.	d. h. m.
A. March. d. h. m. 20 5 28	JAN. .	26 8 15	26 2 2
	FEB. .	24 15 59	24 12 25
	MAR. .	26 4 43	25 23 4
	○	9 23 5	10 12 16
	APRIL	24 17 27	24 10 37
	MAY .	24 6 11	23 23 32
	JUNE .	22 18 55	22 18 57
	JULY .	22 7 39	22 5 33
	AUG. .	20 20 23	20 21 39
	SEPT. .	19 9 7	19 18 31
	○	4 8 29	3 14 49
	OCT. .	18 21 51	19 4 32
	NOV. .	17 10 35	17 18 21
	DEC. .	16 23 19	17 6 51
378. G. 20 11 17	JAN. .	15 12 4	15 18 1
	FEB. .	14 0 48	14 3 56
	MAR. .	15 13 32	15 12 57
	APRIL	14 2 16	13 21 41
	MAY .	13 15 0	13 7 1
	JUNE .	12 3 44	11 17 48
	JULY .	11 16 28	11 6 43
	AUG. .	10 5 12	9 21 54
	SEPT. .	8 17 56	8 14 49
	OCT. .	8 6 40	8 8 33
	NOV. .	6 19 24	7 1 57
	DEC. .	6 8 8	6 17 58
379. F. 20 17 5	JAN. .	4 20 53	5 8 1
	FEB. .	8 9 37	8 19 47
	○	18 3 59	18 2 26
	MAR. .	4 22 21	5 5 32
	APRIL	3 11 5	3 13 46
	MAY .	2 23 49	2 21 13
	JUNE .	1 12 33	1 4 56 / 30 13 57
	JULY .	1 1 17 / 30 14 1	30 1 14
	○	14 8 23 / 29 2 45	14 12 26 / 28 15 22
	AUG. .	27 15 29	27 8 11
	SEPT. .	27 4 13	27 2 50
	OCT. .	25 16 57	25 21 53
	NOV. .	25 5 41	25 15 48
	DEC. .		

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 380. E.D.		d. h. m.	d. h. m.
March. d. h. m. 19 22 54	JAN. .	23 18 25	24 7 25
	○	7 12 47	7 6 42
	FEB. .	22 7 9	22 20 11
	MAR. .	22 19 53	23 6 17
	APRIL	21 8 37	21 14 18
	MAY .	20 21 21	20 21 12
	JUNE .	19 10 5	19 4 2
	JULY .	18 22 49	18 11 55
	○	2 17 11	2 23 18
	AUG. .	17 11 33	16 21 52
	SEPT. .	16 0 17	15 10 44
	OCT. .	15 13 1	15 2 41
	NOV. .	14 1 45	13 21 6
	DEC. .	13 14 29	13 16 41
381. C. 20 4 43	JAN. .	12 3 14	12 11 44
	○	26 21 36	26 18 5
	FEB. .	10 15 58	11 4 42
	MAR. .	12 4 42	12 18 43
	APRIL	10 17 26	11 5 41
	MAY .	10 6 10	10 14 13
	JUNE .	8 18 54	8 21 17
	JULY .	8 7 38	8 3 59
	AUG. .	6 20 22	6 11 26
	SEPT. .	5 9 6	4 20 33
	OCT. .	4 21 50	4 8 21
	NOV. .	3 10 34	2 22 58
	DEC. .	2 23 18	2 16 12
382. B. 20 10 32	JAN. .	1 12 2 / 31 0 46	1 11 5 / 31 6 8
	FEB. .	...	...
	MAR. .	1 13 31 / 31 2 15	1 23 50 / 31 15 2
	APRIL	29 14 59	30 3 19
	MAY .	29 3 43	29 13 2
	○	12 22 5	12 13 22
	JUNE .	27 16 27	27 21 1
	JULY .	27 5 11	27 4 21
	AUG. .	25 17 55	25 12 6
	SEPT. .	24 6 39	23 21 8
	OCT. .	23 19 23	23 8 5
	NOV. .	22 8 7	21 21 19
	○	7 2 29	7 12 2
	DEC. .	21 20 51	21 12 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 383.		d. h. m.	d. h. m.
A. March. d. h. m. 20 16 21	JAN.	20 9 35	20 5 54
	FEB.	18 22 19	18 23 47
	MAR.	20 11 8	20 17 15
	APRIL	18 23 47	19 9 13
	MAY	18 12 31	18 22 56
	○	2 6 53	1 21 51
	JUNE	17 1 15	17 10 22
	JULY	16 18 59	16 20 0
	AUG.	15 2 43	15 4 41
	SEPT.	13 15 27	13 13 23
	OCT.	13 4 11	12 22 48
	NOV.	11 16 55	11 9 26
	○	26 11 17	26 18 34
	DEC.	11 5 39	10 21 29
384. G.F. 19 22 10	JAN.	9 18 24	9 10 58
	FEB.	8 7 8	8 1 46
	MAR.	8 19 52	8 17 34
	APRIL	7 8 36	7 9 50
	MAY	6 21 20	7 1 47
	○	21 15 42	21 12 48
	JUNE	5 10 4	5 16 39
	JULY	4 22 48	5 6 1
	AUG.	3 11 32	3 17 50
	SEPT.	2 0 16	2 4 35
	OCT.	1 13 0	1 14 50
		31 1 44	31 1 10
	○	14 20 6	14 18 45
	NOV.	29 14 28	29 11 51
	DEC.	29 3 12	28 23 0
385. E. 20 8 58	JAN.	27 15 56	27 10 40
	FEB.	26 4 41	25 23 1
	MAR.	27 17 25	27 12 16
	APRIL	26 6 9	26 2 33
	MAY	25 18 58	25 17 38
	JUNE	24 7 37	24 9 2
	JULY	23 20 21	24 0 3
	AUG.	22 9 5	22 14 18
	SEPT.	20 21 49	21 3 31
	OCT.	20 10 33	20 15 51
	NOV.	18 23 17	19 3 29
	DEC.	18 12 1	18 14 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 386.		d. h. m.	d. h. m.
D. March. d. h. m. 20 9 47	JAN.	17 0 45	17 1 12
	FEB.	15 13 29	15 11 24
	MAR.	17 2 13	16 21 35
	○	31 20 35	1 10 11
	APRIL	15 14 57	15 8 21
	MAY	15 3 41	14 20 17
	JUNE	13 16 25	13 9 49
	JULY	13 5 9	13 0 55
	AUG.	11 17 53	11 17 0
	SEPT.	10 6 37	10 9 20
	○	25 0 59	24 13 20
	OCT.	9 19 21	10 1 9
	NOV.	8 8 5	8 15 51
	DEC.	7 20 49	8 5 10
387. C. 20 15 36	JAN.	6 9 34	6 17 1
	FEB.	4 22 18	5 3 25
	MAR.	6 11 2	6 12 38
	○	21 5 24	21 14 39
	APRIL	4 23 46	4 21 11
	MAY	4 12 30	4 5 53
	JUNE	3 1 14	2 15 40
	JULY	2 13 58	2 3 23
	AUG.	1 2 42	31 17 26
		30 15 26	30 9 42
	○	14 9 48	14 4 55
	SEPT.	29 4 10	29 3 24
	OCT.	28 16 54	28 21 21
	NOV.	27 5 38	27 14 22
	DEC.	26 18 22	27 5 33
388. B.A. 19 21 25	JAN.	25 7 6	25 18 26
	FEB.	23 19 50	24 5 3
	MAR.	24 8 34	24 13 46
	APRIL	22 21 18	22 21 20
	MAY	22 10 2	22 4 39
	JUNE	20 22 46	20 12 47
	JULY	20 11 30	19 22 48
	AUG.	19 0 14	18 11 31
	○	2 18 36	2 21 3
	SEPT.	17 12 58	17 3 10
	OCT.	17 1 42	16 21 11
	NOV.	15 14 26	15 16 22
	DEC.	15 3 10	15 11 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 389.		d. h. m.	d. h. m.
G. March. d. h. m. 20 8 13	JAN.	13 15 55	14 4 3
	FEB.	12 4 39	12 18 15
	MAR.	13 17 23	14 5 31
	APRIL	12 6 7	12 14 21
	MAY	11 18 51	11 21 36
	JUNE	10 7 35	10 4 17
	JULY	9 20 19	9 11 30
	AUG.	8 9 3	7 20 20
	SEPT.	6 21 47	6 7 45
	OCT.	6 10 31	5 22 15
	NOV.	4 23 15	4 15 33
	DEC.	4 11 59	4 10 50
390. F. 20 9 2	JAN.	3 0 44	3 6 21
	○	17 19 6	17 16 58
	FEB.	1 13 28	2 0 28
	MAR.	3 2 12	3 15 57
	APRIL	1 14 56	2 4 20
	MAY	1 3 40	1 13 55
		30 16 24	30 21 34
	JUNE	29 5 8	29 4 21
	○	13 23 30	13 22 30
	JULY	28 17 52	28 11 23
	AUG.	27 6 36	26 19 43
	SEPT.	25 19 20	25 6 12
	OCT.	25 8 4	24 19 25
	NOV.	23 20 48	23 11 24
	DEC.	23 9 32	23 5 33
391. E. 20 14 51	○	7 8 54	7 8 48
	JAN.	21 22 16	22 0 33
	FEB.	20 11 0	20 18 57
	MAR.	21 23 44	22 11 24
	APRIL	20 12 28	21 1 6
	MAY	20 1 12	20 12 1
	JUNE	18 13 56	18 20 48
	○	3 8 18	2 23 31
	JULY	18 2 40	18 4 28
	AUG.	16 15 24	16 12 3
	SEPT.	15 4 8	14 20 30
	OCT.	14 16 52	14 6 34
	NOV.	13 5 36	12 18 41
	DEC.	12 18 20	12 8 59
	○	27 12 42	27 23 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 392.		d. h. m.	d. h. m.
D.C. March. d. h. m. 19 20 40	JAN.	11 7 5	11 1 12
	FEB.	9 19 49	9 18 37
	MAR.	10 8 33	10 12 14
	APRIL	8 21 17	9 4 55
	MAY	8 10 1	8 19 45
	JUNE	6 22 45	7 8 22
	JULY	6 11 29	6 18 57
	AUG.	5 0 13	5 4 13
	SEPT.	3 12 57	3 13 1
	OCT.	3 1 41	2 22 13
	NOV.	1 14 25	1 8 21
	DEC.	1 3 9	30 19 42
		30 15 53	30 8 20
393. B. 20 2 29	JAN.	29 4 38	28 22 17
	FEB.	27 17 22	27 13 21
	MAR.	29 6 6	29 5 11
	APRIL	27 18 50	27 21 12
	○	12 13 12	12 13 6
	MAY	27 7 34	27 12 39
	JUNE	25 20 18	26 2 53
	JULY	25 9 2	25 15 40
	AUG.	23 21 46	24 3 9
	SEPT.	22 10 30	22 13 50
	OCT.	21 23 14	22 0 17
	○	5 17 36	5 13 0
	NOV.	20 11 58	20 10 55
	DEC.	20 0 42	19 21 50
394. A. 20 8 18	JAN.	18 13 26	18 9 5
	FEB.	17 2 10	16 20 48
	MAR.	18 14 54	18 9 15
	APRIL	17 3 38	16 22 45
	○	1 22 0	2 6 8
	MAY	16 16 22	16 13 16
	JUNE	15 5 6	15 4 32
	JULY	14 17 50	14 19 55
	AUG.	13 6 34	13 10 50
	SEPT.	11 19 18	12 0 52
	OCT.	11 8 2	11 13 55
	○	26 2 24	25 14 31
	NOV.	9 20 46	10 2 7
	DEC.	9 9 30	9 13 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 395. G. March. *d. h. m.* 20 14 6		*d. h. m.*	*d. h. m.*
	JAN.	7 22 14	8 0 23
	FEB.	6 10 59	6 10 37
	MAR.	7 23 43	7 20 30
	APRIL	6 12 27	6 6 36
	○	21 6 49	21 19 36
	MAY	6 1 11	5 17 38
	JUNE	4 13 55	4 6 11
	JULY	4 2 39	3 20 28
	AUG.	2 15 23	2 12 14
	SEPT.	1 4 7	1 4 47
		30 16 51	30 21 13
	○	15 11 13	14 23 12
	OCT.	30 5 35	30 12 43
	NOV.	28 18 19	29 8 2
	DEC.	28 7 8	28 15 41
396. F.E. 19 19 55	JAN.	26 19 48	27 2 44
	FEB.	25 8 32	25 12 19
	MAR.	25 21 16	25 20 55
	APRIL	24 10 0	24 5 13
	MAY	23 22 44	23 14 9
	JUNE	22 11 28	22 0 41
	JULY	22 0 12	21 13 32
	AUG.	20 12 56	20 4 50
	SEPT.	19 1 40	18 22 7
	OCT.	18 14 24	18 16 18
	NOV.	17 3 8	17 10 8
	DEC.	16 15 52	17 2 28
397. D. 20 1 44	JAN.	15 4 36	15 16 33
	FEB.	13 17 20	14 4 11
	○	28 11 42	28 9 54
	MAR.	15 6 4	15 13 38
	APRIL	13 18 48	13 21 31
	MAY	13 7 32	13 4 42
	JUNE	11 20 16	11 12 11
	JULY	11 9 0	10 21 6
	AUG.	9 21 44	9 8 25
	○	24 16 6	24 20 11
	SEPT.	8 10 28	7 22 41
	OCT.	7 23 12	7 15 45
	NOV.	6 11 56	6 10 39
	DEC.	6 0 40	6 5 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 398. C. March. *d. h. m.* 20 7 33		*d. h. m.*	*d. h. m.*
	JAN.	4 13 25	5 0 0
	FEB.	3 2 9	3 15 35
	○	17 20 31	17 14 42
	MAR.	4 14 53	5 4 13
	APRIL	3 3 37	3 14 4
	MAY	2 16 21	2 21 54
	JUNE	1 5 5	1 4 41
		30 17 49	30 11 28
	JULY	30 6 33	29 19 25
	○	14 0 55	14 6 32
	AUG.	28 19 17	28 5 31
	SEPT.	27 8 1	26 18 31
	OCT.	26 20 45	26 10 35
	NOV.	25 9 29	25 5 4
	DEC.	24 22 13	25 0 38
399. B. 20 13 22	JAN.	23 10 58	23 19 35
	○	7 5 20	7 2 35
	FEB.	21 23 42	22 12 26
	MAR.	23 12 26	24 2 17
	APRIL	22 1 10	22 13 8
	MAY	21 13 54	21 21 37
	JUNE	20 2 38	20 4 43
	JULY	19 15 22	19 11 34
	AUG.	18 4 6	17 19 15
	SEPT.	16 16 50	16 4 41
	OCT.	16 5 34	15 16 35
	NOV.	14 18 18	14 7 14
	DEC.	14 7 2	14 0 21
400. A.G. 19 19 11	JAN.	12 19 46	12 18 57
	FEB.	11 8 30	11 13 41
	MAR.	11 21 14	12 7 7
	APRIL	10 9 58	10 22 9
	MAY	9 22 42	10 10 25
	JUNE	8 11 26	8 20 14
	○	23 5 48	22 20 4
	JULY	8 0 10	8 4 26
	AUG.	6 12 54	6 12 5
	SEPT.	5 1 38	4 20 6
	OCT.	4 14 22	4 5 32
	NOV.	3 3 6	2 16 41
	DEC. ○	2 15 50	2 5 58
		17 10 12	17 20 39
		...	31 21 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 401. F.		d. h. m.	d. h. m.
	JAN.	1 4 35	...
		30 17 19	30 13 43
March. d. h. m. 20 0 59	FEB.	...	...
	MAR.	1 6 3	1 7 8
		30 18 47	31 0 12
	APRIL	29 7 31	29 15 57
	MAY	28 20 15	29 5 44
	○ JUNE	12 14 37	12 5 0
		27 8 59	27 17 24
	JULY	26 21 43	27 3 24
	AUG.	25 10 27	25 12 34
	SEPT.	23 23 11	23 21 43
	OCT.	23 11 55	23 7 31
	NOV.	22 0 39	21 18 19
	○ DEC.	6 19 1	7 2 45
		21 13 23	21 6 14
402. E. 20 6 48	JAN.	20 2 7	19 19 20
	FEB.	18 14 51	18 9 34
	MAR.	20 3 35	20 0 47
	APRIL	18 16 19	18 16 34
	MAY	18 5 3	18 8 15
	○ JUNE	1 23 25	1 20 12
		16 17 47	16 23 12
	JULY	16 6 31	16 12 54
	AUG.	14 19 15	15 1 14
	SEPT.	13 7 59	13 12 32
	OCT.	12 20 43	12 23 19
	NOV.	11 9 27	11 10 0
	○ DEC.	26 3 49	26 2 40
		10 22 11	10 20 49
403. D. 20 12 37	JAN.	9 10 56	9 7 49
	FEB.	7 23 40	7 19 2
	MAR.	9 12 24	9 6 49
	APRIL	8 1 8	7 19 27
	MAY	7 13 52	7 9 14
	JUNE	6 2 36	6 0 8
	JULY	5 15 20	5 15 29
	AUG.	4 4 4	4 6 54
	SEPT.	2 16 48	2 21 41
	OCT.	2 5 32	2 11 32
		31 18 16	1 0 24
	NOV.	30 7 0	30 12 22
	DEC.	29 19 44	29 23 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 404. C.B. March. d. h. m. 19 18 26		d. h. m.	d. h. m.
	JAN.	28 8 29	28 9 55
	FEB.	26 21 13	26 19 42
	MAR.	27 9 57	27 5 21
	○ APRIL	11 4 19	11 17 28
		25 22 41	25 15 34
	MAY	25 11 25	25 3 6
	JUNE	24 0 9	23 16 24
	JULY	23 12 53	23 7 31
	AUG.	22 1 37	21 23 58
	SEPT.	20 14 21	20 16 48
	○ OCT.	5 8 43	4 21 41
		20 3 5	20 9 10
	NOV.	18 15 49	19 0 22
	DEC.	18 4 33	18 13 57
405. A. 20 0 15	JAN.	16 17 17	17 1 46
	FEB.	15 6 1	15 11 54
	MAR.	16 18 45	16 20 43
	○ APRIL	31 13 7	31 21 37
		15 7 29	15 4 51
	MAY	14 20 13	14 13 9
	JUNE	13 8 57	12 22 38
	JULY	12 21 41	12 10 12
	AUG.	11 10 25	11 0 21
	SEPT.	9 23 9	9 16 52
	○ OCT.	24 17 31	24 13 16
		9 11 53	9 10 57
	NOV.	8 0 37	8 5 20
	DEC.	7 13 21	7 22 42
406. G. 20 6 4	JAN.	6 2 6	6 14 3
	FEB.	4 14 50	5 2 52
	MAR.	6 3 34	6 13 14
	○ APRIL	20 21 56	20 21 47
		4 16 18	4 21 40
	MAY	4 5 2	4 4 55
	JUNE	2 17 46	2 12 1
	JULY	2 6 30	1 20 2
		31 19 14	31 6 3
	AUG.	30 7 58	29 18 51
	○ SEPT.	14 2 20	14 5 10
		28 20 42	28 10 41
	OCT.	28 9 26	28 4 56
	NOV.	26 22 10	27 0 20
	DEC.	26 10 54	26 19 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 407. F. March. d. h. m. 20 11 52	JAN.	24 23 39	25 12 12
	FEB.	23 12 23	24 2 16
	MAR.	25 1 7	25 18 21
	APRIL	23 18 51	23 22 0
	MAY	23 2 35	23 5 6
	JUNE	21 15 19	21 11 43
	JULY	21 4 3	20 19 0
	AUG.	19 16 47	19 3 58
	SEPT.	18 5 31	17 15 32
	OCT.	17 18 15	17 6 10
	NOV.	16 6 59	15 23 36
	DEC.	15 19 43	15 18 48
408. E.D. 19 17 41	JAN.	14 8 27	14 14 12
	○	29 2 49	29 1 36
	FEB.	12 21 11	13 8 10
	MAR.	13 9 55	13 23 30
	APRIL	11 22 39	12 11 45
	MAY	11 11 23	11 21 16
	JUNE	10 0 7	10 4 56
	JULY	9 12 51	9 11 53
	○	24 7 13	24 5 7
	AUG.	8 1 35	7 19 8
	SEPT.	6 14 19	6 3 42
	OCT.	6 3 3	5 14 25
	NOV.	4 15 47	4 3 44
	DEC.	4 4 31	3 19 39
409. C. 19 23 30	JAN	2 17 16	2 13 32
	○	17 11 38	17 17 36
	FEB.	1 6 0	1 8 15
	MAR.	2 18 44	3 2 19
	APRIL	1 7 28	1 18 31
		30 20 12	1 8 7
	MAY	30 8 56	30 19 8
	JUNE	28 21 40	29 4 7
	○	13 16 2	13 6 15
	JULY	28 10 24	28 12 4
	AUG.	26 23 8	26 20 2
	SEPT.	25 11 52	25 4 51
	OCT.	25 0 36	24 15 11
	NOV.	23 13 20	23 3 21
	DEC.	23 2 4	22 17 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 410. B. March. d. h. m. 20 5 19	○	6 20 27	7 7 40
	JAN.	21 14 49	21 9 15
	FEB.	20 3 33	20 2 10
	MAR.	21 16 17	21 19 17
	APRIL	20 5 1	20 11 39
	MAY	19 17 45	20 2 7
	JUNE	18 6 29	18 15 14
	JULY	17 19 13	18 2 11
	AUG.	16 7 57	16 11 53
	SEPT.	14 20 41	14 21 12
	OCT.	14 9 25	14 6 49
	NOV.	12 22 9	12 17 13
	DEC.	12 10 53	12 4 34
411. A. 20 11 8	JAN.	10 23 37	10 16 56
	FEB.	9 12 21	9 6 21
	MAR.	11 1 5	10 20 47
	APRIL	9 13 49	9 12 4
	MAY	9 2 33	9 3 43
	○	23 20 55	23 20 34
	JUNE	7 15 17	7 19 6
	JULY	7 4 1	7 9 35
	AUG.	5 16 45	5 22 49
	SEPT.	4 5 29	4 10 53
	OCT.	3 18 13	3 22 8
	NOV.	2 6 57	2 9 2
	○	17 1 19	16 20 53
	DEC.	1 19 41	1 19 53
		31 8 25	31 6 45
412. G.F. 19 16 57	JAN.	29 21 10	29 17 40
	FEB.	28 9 54	28 4 50
	MAR.	28 22 38	28 16 42
	APRIL	27 11 22	27 5 38
	○	12 5 44	12 13 39
	MAY	27 0 6	26 19 48
	JUNE	25 12 50	25 10 59
	JULY	25 1 34	25 2 37
	AUG.	23 14 18	23 18 0
	SEPT.	22 3 2	22 8 38
	OCT.	21 15 46	21 22 16
	○	5 10 8	4 22 41
	NOV.	20 4 30	20 10 54
	DEC.	19 17 14	19 22 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 413.		d. h. m.	d. h. m.
E. March. d. h. m. 19 22 45	JAN.	18 5 58	18 9 12
	FEB.	16 18 42	16 19 8
	MAR.	18 7 27	18 4 28
	APRIL	16 20 11	16 14 8
	○	1 14 88	2 2 47
	MAY	16 8 55	16 0 36
	JUNE	14 21 39	14 12 51
	JULY	14 10 28	14 8 6
	AUG.	12 28 7	12 19 8
	SEPT.	11 11 51	11 12 1
	OCT.	11 0 35	11 4 59
	○	25 18 57	25 7 42
	NOV.	9 13 19	9 21 6
	DEC.	9 2 8	9 11 42
414. D. 20 4 34	JAN.	7 14 47	8 0 27
	FEB.	6 3 31	6 11 18
	MAR.	7 16 15	7 20 34
	APRIL	6 4 59	6 4 44
	MAY	5 17 48	5 12 38
	JUNE	4 6 27	3 21 15
	JULY	3 19 11	3 7 36
	AUG.	2 7 55	1 20 26
		31 20 39	31 11 55
	SEPT.	30 9 28	30 5 30
	OCT.	29 22 7	30 0 6
	NOV.	28 10 51	28 18 19
	DEC.	27 23 35	28 10 58
415. C. 20 10 28	JAN.	26 12 20	27 1 0
	FEB.	25 1 4	25 12 28
	○	11 19 26	11 17 12
	MAR.	26 13 48	26 21 37
	APRIL	25 2 32	25 5 12
	MAY	24 15 16	24 12 9
	JUNE	23 4 0	22 19 29
	JULY	22 16 44	22 4 23
	AUG.	21 5 28	20 15 46
	○	4 23 50	5 4 5
	SEPT.	19 18 12	19 6 10
	OCT.	19 6 56	18 23 25
	NOV.	17 19 40	17 18 33
	DEC.	17 8 24	17 13 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 416.		d. h. m.	d. h. m.
B.A. March. d. h. m. 19 16 12	JAN.	15 21 8	16 8 4
	FEB.	14 9 52	14 23 36
	○	29 4 14	28 22 35
	MAR.	14 22 36	15 12 3
	APRIL	13 11 20	13 21 44
	MAY	13 0 4	13 5 25
	JUNE	11 12 48	11 12 6
	JULY	11 1 32	10 18 57
	AUG.	9 14 16	9 3 1
	○	24 8 38	24 13 51
	SEPT.	8 3 0	7 13 17
	OCT.	7 15 44	7 2 26
	NOV.	6 4 28	5 18 35
	DEC.	5 17 12	5 13 3
417. G. 19 22 1	JAN.	4 5 57	4 8 33
	FEB.	2 18 41	3 3 19
	○	17 13 3	17 10 57
	MAR.	4 7 25	4 19 58
	APRIL	2 20 9	3 9 41
	MAY	2 8 53	2 20 28
		31 21 37	1 4 56
	JUNE	30 10 21	30 12 9
	JULY	29 23 5	29 19 14
	AUG.	28 11 49	28 3 12
	SEPT.	27 0 33	26 12 53
	OCT.	26 13 17	26 0 56
	NOV.	25 2 1	24 15 34
	DEC.	24 14 45	24 8 29
418. F. 20 3 50	JAN.	23 3 30	23 2 47
	FEB.	21 16 14	21 21 8
	MAR.	23 4 58	23 14 14
	APRIL	21 17 42	22 5 8
	MAY	21 6 26	21 17 25
	JUNE	19 19 10	20 3 25
	JULY	19 7 54	19 11 54
	AUG.	17 20 38	17 19 56
	SEPT.	16 9 22	16 4 26
	OCT.	15 22 6	15 14 6
	NOV.	14 10 50	14 1 24
	DEC.	13 23 34	13 14 29
	○	28 17 56	29 5 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 419.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 20 9 38	JAN.	12 12 18	12 5 17
	FEB.	11 1 2	10 21 28
	MAR.	12 13 46	12 14 20
	APRIL	11 2 30	11 7 0
	MAY	10 15 14	10 22 35
	JUNE	9 8 58	9 12 27
	○	23 22 20	23 12 10
	JULY	8 16 42	9 0 25
	AUG.	7 5 26	7 10 53
	SEPT.	5 18 10	5 20 33
	OCT.	5 6 54	5 6 11
	NOV.	3 19 38	3 16 18
	DEC.	3 8 22	3 3 13
	○	18 2 44	18 10 55
420. D.C. 19 15 27	JAN.	1 21 7	1 14 59
		31 9 51	31 3 39
	FEB.	29 22 35	29 17 17
	MAR.	30 11 19	30 7 53
	APRIL	29 0 8	28 23 12
	MAY	28 12 47	28 14 43
	○	12 7 9	12 3 37
	JUNE	27 1 31	27 5 48
	JULY	26 14 15	26 19 51
	AUG.	25 2 59	25 8 44
	SEPT.	23 15 43	23 20 38
	OCT.	23 4 27	23 7 56
	NOV.	21 17 11	21 18 56
	○	6 11 33	6 10 39
	DEC.	21 5 55	21 5 46
421. B. 19 21 16	JAN.	19 18 40	19 16 33
	FEB.	18 7 24	18 3 20
	MAR.	19 20 8	19 14 30
	APRIL	18 8 52	18 2 33
	MAY	17 21 36	17 15 54
	JUNE	16 10 20	16 6 32
	JULY	15 23 4	15 22 5
	AUG.	14 11 48	14 13 50
	SEPT.	13 0 32	13 5 12
	OCT.	12 13 16	12 19 40
	NOV.	11 2 0	11 9 2
	DEC.	10 14 44	10 21 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 422.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 20 3 5	JAN.	9 3 28	9 8 24
	FEB.	7 16 12	7 13 30
	MAR.	9 4 56	9 3 51
	APRIL	7 17 40	7 12 59
	○	22 12 2	23 0 35
	MAY	7 6 24	6 22 44
	JUNE	5 19 8	5 9 53
	JULY	5 7 52	4 23 3
	AUG.	3 20 36	3 14 15
	SEPT.	2 9 20	2 6 59
	OCT. ○	1 22 4	2 0 20
		16 16 26	16 6 9
		31 10 48	31 17 16
	NOV.	29 23 32	30 8 52
	DEC.	29 12 16	29 22 39
423. G. 20 8 54	JAN.	28 1 1	28 10 24
	FEB.	26 13 45	26 20 17
	MAR.	28 2 29	28 4 43
	○	11 20 51	12 4 29
	APRIL	26 15 13	26 12 28
	MAY	26 3 57	25 20 26
	JUNE	24 16 41	24 5 41
	JULY	24 5 25	23 17 11
	AUG.	22 18 9	22 7 24
	SEPT.	21 6 53	21 0 10
	○	6 1 15	5 21 46
	OCT.	20 19 37	20 18 37
	NOV.	19 8 21	19 13 22
	DEC.	18 21 5	19 7 2
424. F.E. 19 14 43	JAN.	17 9 49	17 22 27
	FEB.	15 22 33	16 11 10
	MAR.	16 11 18	16 21 18
	○	31 5 40	31 4 46
	APRIL	15 0 2	15 5 26
	MAY	14 12 46	14 12 27
	JUNE	13 1 30	12 19 23
	JULY	12 14 14	12 3 21
	AUG.	11 2 58	10 13 24
	SEPT.	9 15 42	9 2 20
	○	24 10 4	24 13 23
	OCT.	9 4 26	8 18 19
	NOV.	7 17 10	7 12 46
	DEC.	7 5 54	7 8 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 425. D. March. d. h. m. 19 20 31	JAN.	5 18 38	6 8 18
	FEB.	4 7 22	4 20 10
	MAR.	5 20 6	6 10 7
	APRIL	4 8 50	4 21 2
	MAY	3 21 34	4 5 31
	JUNE	2 10 18	2 12 32
	JULY	1 23 2	1 19 11
		31 11 46	31 2 34
	AUG.	30 0 30	29 11 44
	SEPT.	28 18 14	27 23 28
	OCT.	28 1 58	27 14 13
	NOV.	26 14 42	26 7 38
	DEC.	26 3 26	26 2 46
426. C. 20 2 20	JAN.	24 16 11	24 22 0
	○	8 10 33	8 10 10
	FEB.	28 4 55	28 15 44
	MAR.	24 17 39	25 6 54
	APRIL	23 6 23	23 19 3
	MAY	22 19 7	23 4 35
	JUNE	21 7 51	21 12 20
	JULY	20 20 35	20 19 28
	○	4 14 57	4 11 50
	AUG.	19 9 19	19 3 0
	SEPT.	17 22 3	17 11 53
	OCT.	17 10 47	16 22 48
	NOV.	15 23 31	15 12 11
	DEC.	15 12 15	15 3 56
427. B. 20 8 9	JAN.	14 0 59	13 21 29
	○	28 19 21	29 2 17
	FEB.	12 13 43	12 15 46
	MAR.	14 2 28	14 9 29
	APRIL	12 15 12	13 1 28
	MAY	12 3 56	12 15 3
	JUNE	10 16 40	11 2 12
	JULY	10 5 24	10 11 28
	○	24 23 46	24 13 4
	AUG.	8 18 8	8 19 47
	SEPT.	7 6 52	7 4 9
	OCT.	6 19 36	6 13 21
	NOV.	5 8 20	4 23 54
	DEC.	4 21 4	4 12 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 428. A.G. March. d. h. m. 19 13 58	JAN.	3 9 48	3 1 54
	○	18 4 10	18 16 11
	FEB.	1 22 32	1 17 12
	MAR.	2 11 16	2 9 32
	APRIL	1 0 0	1 2 11
		30 12 44	30 18 17
	MAY	30 1 28	30 9 5
	JUNE	28 14 12	28 22 6
	○	13 8 34	12 20 32
	JULY	28 2 56	28 9 27
	AUG.	26 15 40	26 19 41
	SEPT.	25 4 24	25 5 30
	OCT.	24 17 8	24 15 33
	NOV.	23 5 52	23 2 8
	DEC.	22 18 36	22 13 24
429. F. 19 19 47	JAN.	21 7 21	21 1 26
	FEB.	19 20 5	19 14 18
	MAR.	21 8 49	21 4 7
	APRIL	19 21 33	19 18 52
	MAY	19 10 17	19 10 14
	○	3 4 39	3 4 1
	JUNE	17 23 1	18 1 36
	JULY	17 11 45	17 16 21
	AUG.	16 0 29	16 6 5
	SEPT.	14 13 13	14 18 44
	OCT.	14 1 57	14 6 34
	NOV.	12 14 41	12 17 53
	○	27 9 3	27 4 53
	DEC.	12 3 25	12 4 52
430. E. 20 1 36	JAN.	10 16 9	10 15 35
	FEB.	9 4 53	9 2 7
	MAR.	10 17 37	10 12 46
	APRIL	9 6 21	9 0 2
	MAY	8 19 5	8 12 26
	○	23 13 27	23 20 58
	JUNE	7 7 49	7 2 19
	JULY	6 20 33	6 17 28
	AUG.	5 9 17	5 9 21
	SEPT.	3 22 1	4 1 15
	OCT.	3 10 45	3 16 30
	NOV.	1 23 29	2 6 42
	○	16 17 51	16 6 57
	DEC.	1 12 13	1 19 41
		31 0 57	31 7 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 431. D. March. d. h. m. 20 7 24		d. h. m.	d. h. m.
	JAN.	29 13 41	29 17 53
	FEB.	28 2 26	28 3 23
	MAR.	29 15 10	29 12 19
	APRIL	28 8 54	27 21 24
	○	12 22 16	13 9 52
	MAY	27 16 38	27 7 34
	JUNE	26 5 22	25 19 33
	JULY	25 18 6	25 9 47
	AUG.	24 6 50	24 1 57
	SEPT.	22 19 34	22 19 20
	OCT.	22 8 18	22 12 52
	○	6 2 40	5 16 19
	NOV.	20 21 2	21 5 27
	DEC.	20 9 46	20 20 20
432. C.B. 19 13 13	JAN.	18 22 31	19 9 7
	FEB.	17 11 15	17 19 46
	MAR.	17 23 59	18 4 41
	APRIL	16 12 43	16 12 29
	MAY	16 1 27	15 20 1
	JUNE	14 14 11	14 4 24
	JULY	14 2 55	13 14 38
	AUG.	12 15 39	12 3 29
	SEPT.	11 4 23	10 19 9
	OCT.	10 17 7	10 13 8
	NOV.	9 5 51	9 8 2
	DEC.	8 18 35	9 2 31
433. A. 19 19 2	JAN.	7 7 19	7 19 13
	FEB.	5 20 3	6 9 16
	MAR.	7 8 47	7 20 33
	○	22 3 9	22 0 22
	APRIL	5 21 31	6 5 27
	MAY	5 10 15	5 12 48
	JUNE	3 22 59	3 19 32
	JULY	3 11 43	3 2 50
	AUG.	2 0 27	1 11 45
		31 13 11	30 23 14
	○	15 7 33	15 12 4
	SEPT.	30 1 55	29 13 48
	OCT.	29 14 39	29 7 13
	NOV.	28 3 23	28 2 29
	DEC.	27 16 7	27 21 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 434. G. March. d. h. m. 20 0 51		d. h. m.	d. h. m.
	JAN.	26 4 52	26 16 2
	FEB.	24 17 36	25 7 26
	○	11 11 58	11 6 21
	MAR.	26 6 20	26 19 45
	APRIL	24 19 4	25 5 17
	MAY	24 7 48	24 12 51
	JUNE	22 20 32	22 19 34
	JULY	22 9 16	22 2 31
	AUG.	20 22 0	20 10 46
	○	4 16 22	4 21 16
	SEPT.	19 10 44	18 21 14
	OCT.	18 23 28	18 10 32
	NOV.	17 12 12	17 2 43
	DEC.	17 0 56	16 21 5
435. F. 20 6 40	JAN.	15 13 40	15 16 21
	FEB.	14 2 24	14 10 53
	○	28 20 46	28 19 12
	MAR.	15 15 9	16 3 21
	APRIL	14 3 53	14 16 58
	MAY	13 16 37	14 3 41
	JUNE	12 5 21	12 12 15
	JULY	11 18 5	11 19 40
	AUG.	10 6 49	10 3 1
	○	25 1 11	24 23 34
	SEPT.	8 19 33	8 11 18
	OCT.	8 8 17	7 21 16
	NOV.	6 21 1	6 9 26
	DEC.	6 9 45	5 23 59
436. E.D. 19 12 29	JAN.	4 22 29	4 16 36
	FEB.	3 11 13	3 10 26
	MAR.	3 23 57	4 4 23
	APRIL	2 12 41	2 21 12
	MAY	2 1 25	2 12 0
		31 14 9	1 0 22
	JUNE	30 2 53	30 10 35
	JULY	29 15 37	29 19 27
	AUG.	28 4 21	28 3 54
	SEPT.	26 17 5	26 12 48
	OCT.	26 5 49	25 22 47
	NOV.	24 18 33	24 10 9
	DEC.	24 7 17	23 23 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 437. C.		d. h. m.	d. h. m.
	○	8 1 39	8 13 43
March. d. h. m. 19 18 17	JAN. .	22 20 1	22 13 28
	FEB. .	21 8 46	21 5 5
	MAR. .	22 21 30	22 21 24
	APRIL	21 10 14	21 13 42
	MAY .	20 22 58	21 5 10
	JUNE .	19 11 42	19 19 11
	○	4 6 4	3 19 25
	JULY .	19 0 26	19 7 30
	AUG. .	17 13 10	17 18 28
	SEPT. .	16 1 54	16 4 41
	OCT. .	15 14 38	15 14 47
	NOV. .	14 3 22	14 1 12
	DEC. .	13 16 6	13 12 9
	○	28 10 28	28 19 2
438. B.	JAN. .	12 4 50	11 23 40
	FEB. .	10 17 34	10 11 51
20 0 6	MAR. .	12 6 19	12 0 53
	APRIL	10 19 3	10 14 53
	MAY .	10 7 47	10 5 48
	JUNE .	8 20 31	8 21 11
	○	23 14 53	23 11 4
	JULY .	8 9 15	8 12 23
	AUG. .	6 21 59	7 2 53
	SEPT. .	5 10 43	5 16 20
	OCT. .	4 23 27	5 4 51
	NOV. .	3 12 11	3 16 33
	DEC. .	3 0 55	3 3 53
	○	17 19 17	17 18 42
439. A.	JAN. .	1 13 39	1 14 44
		31 2 23	31 1 11
	FEB. .	...	...
20 5 55	MAR. .	1 15 7	1 11 28
		31 3 51	30 22 3
	APRIL	29 16 35	29 9 35
	MAY .	29 5 19	28 22 31
	JUNE .	27 18 3	27 13 1
	JULY .	27 6 47	27 4 42
	AUG. .	25 19 31	25 20 53
	SEPT. .	24 8 15	24 12 49
	OCT. .	23 20 59	24 3 52
	NOV. .	22 9 43	22 17 42
	DEC. .	21 22 27	22 6 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 440. G.F.		d. h. m.	d. h. m.
March. d. h. m. 19 11 44	JAN. .	20 11 12	20 17 12
	FEB. .	18 23 56	19 2 58
	MAR. .	19 12 40	19 11 53
	APRIL	18 1 24	17 20 32
	○	2 19 46	3 7 37
	MAY .	17 14 8	17 5 50
	JUNE .	16 2 52	15 16 43
	JULY .	15 15 36	15 5 45
	AUG. .	14 4 20	13 21 5
	SEPT. .	12 17 4	12 14 10
	OCT. .	12 5 48	12 8 1
	○	27 0 10	26 14 47
	NOV. .	10 18 32	11 1 26
	DEC. .	10 7 16	10 17 25
441. E.	JAN. .	8 20 0	9 7 17
	FEB. .	7 8 44	7 18 54
19 17 33	MAR. .	8 21 28	9 4 29
	APRIL	7 10 12	7 12 34
	○	22 4 34	22 11 12
	MAY .	6 22 56	6 19 56
	JUNE .	5 11 40	5 8 39
	JULY .	5 0 24	4 12 46
	AUG. .	3 13 8	3 0 15
	SEPT. .	2 1 52	1 14 35
		1 14 36	1 7 36
	OCT. ○	16 8 58	16 6 23
		31 3 20	31 2 23
	NOV. .	29 16 4	29 21 27
	DEC. .	29 4 48	29 15 16
442. D.	JAN. .	27 17 33	28 6 44
	FEB. .	26 6 17	26 19 17
19 23 22	MAR. .	27 19 1	28 5 11
	○	11 13 23	11 11 39
	APRIL	26 7 45	26 13 4
	MAY .	25 20 29	25 19 54
	JUNE .	24 9 13	24 2 45
	JULY .	23 21 57	23 10 45
	AUG. .	22 10 41	21 20 54
	SEPT. .	20 23 25	20 9 58
	○	5 17 47	5 21 42
	OCT. .	20 12 9	20 2 8
	NOV. .	19 0 53	18 20 42
	DEC. .	18 13 37	18 16 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 443.		d. h. m.	d. h. m.
C. March. d. h. m. 20 5 10	JAN.	17 2 22	17 11 15
	FEB.	15 15 6	16 4 1
	MAR.	17 3 50	17 17 48
	APRIL	15 16 34	16 4 35
	MAY	15 5 18	15 12 58
	JUNE	13 18 2	13 19 58
	JULY	13 6 46	13 2 43
	AUG.	11 19 30	11 10 18
	SEPT.	10 8 14	9 19 40
	OCT.	9 20 58	9 7 36
	NOV.	8 9 42	7 22 24
	DEC.	7 22 26	7 15 47
444. B.A. 19 10 59	JAN.	6 11 10	6 10 39
	FEB.	4 23 54	5 5 37
	○	19 18 16	19 18 35
	MAR.	5 12 38	5 23 7
	APRIL	4 1 22	4 14 7
	MAY	3 14 6	4 2 13
	JUNE	2 2 50	2 11 47
	JULY	1 15 34	1 19 44
		31 4 18	31 3 8
	○	14 22 40	14 18 38
	AUG.	29 17 2	29 11 0
	SEPT.	28 5 46	27 20 11
	OCT.	27 18 30	27 7 18
	NOV.	26 7 14	25 20 42
	DEC.	25 19 58	25 12 13
445. G. 19 16 48	JAN.	24 8 43	24 5 22
	○	8 3 5	8 10 52
	FEB.	22 21 27	22 23 10
	MAR.	24 10 11	24 16 30
	APRIL	22 22 55	23 8 18
	MAY	22 11 39	22 21 53
	JUNE	21 0 23	21 9 13
	JULY	20 13 7	20 18 50
	○	4 7 29	3 19 58
	AUG.	19 1 51	19 3 35
	SEPT.	17 14 35	17 12 24
	OCT.	17 3 19	16 21 57
	NOV.	15 16 3	15 8 42
	DEC.	15 4 47	14 20 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 446.		d. h. m.	d. h. m.
F. March. d. h. m. 19 22 37	JAN.	13 17 32	13 10 19
	○	28 11 54	29 0 37
	FEB.	12 6 16	12 1 6
	MAR.	13 19 0	13 16 49
	APRIL	12 7 44	12 9 0
	MAY	11 20 28	12 0 51
	JUNE	10 9 12	10 15 40
	JULY	9 21 56	10 4 57
	○	24 16 18	24 3 48
	AUG.	8 10 40	8 16 49
	SEPT.	6 23 24	7 3 36
	OCT.	6 12 8	6 13 56
	NOV.	5 0 52	5 0 21
	DEC.	4 13 36	4 11 6
447. E. 20 4 26	JAN.	3 2 20	2 22 15
	FEB.	1 15 4	1 9 52
	MAR.	3 3 48	2 22 9
	APRIL	1 16 32	1 11 22
	MAY	1 5 16	1 1 36
		30 18 0	30 16 41
	○	14 12 22	14 11 26
	JUNE	29 6 44	29 8 4
	JULY	28 19 28	28 23 8
	AUG.	27 8 12	27 13 24
	SEPT.	25 20 56	26 2 42
	OCT.	25 9 40	25 15 4
	NOV.	23 22 24	24 2 45
	○	8 16 46	8 12 53
	DEC.	23 11 8	23 13 50
448. D.C. 19 10 15	JAN.	21 23 53	22 0 22
	FEB.	20 12 37	20 10 29
	MAR.	21 1 21	20 20 36
	APRIL	19 14 5	19 7 17
	MAY	19 2 49	18 19 15
	○	2 21 11	3 4 18
	JUNE	17 15 33	17 8 51
	JULY	17 4 17	17 0 2
	AUG.	15 17 1	15 16 13
	SEPT.	14 5 45	14 3 38
	OCT.	13 18 29	14 0 29
	NOV.	12 7 13	12 15 13
	○	27 1 35	26 14 19
	DEC.	11 19 57	12 4 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 449.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 19 16 3	JAN.	10 8 42	10 16 15
	FEB.	8 21 26	9 2 31
	MAR.	10 10 10	10 11 35
	APRIL	8 22 54	8 20 2
	MAY	8 11 38	8 4 42
	○	23 6 0	23 16 52
	JUNE	7 0 22	6 14 31
	JULY	6 13 6	6 2 21
	AUG.	5 1 50	4 16 35
	SEPT.	3 14 34	3 9 2
	OCT.	3 3 18	3 2 51
	NOV.	1 16 2	1 20 50
	○	16 10 24	16 1 2
	DEC.	1 4 46	1 13 51
		30 17 30	31 4 55
450. A. 19 21 52	JAN.	29 6 14	29 17 38
	FEB.	27 18 58	28 4 4
	MAR.	29 7 42	29 12 37
	APRIL	27 20 26	27 20 6
	MAY	27 9 10	27 3 23
	JUNE	25 21 54	25 11 35
	JULY	25 10 38	24 21 46
	AUG.	23 23 22	23 10 40
	SEPT.	22 12 6	22 2 32
	OCT.	22 0 50	21 20 48
	NOV.	20 13 34	20 15 57
	DEC.	20 2 18	20 10 41
451. G. 20 3 41	JAN.	18 15 2	19 3 26
	FEB.	17 3 46	17 17 24
	MAR.	18 16 31	19 4 30
	○	2 10 53	2 7 28
	APRIL	17 5 15	17 13 10
	MAY	16 17 59	16 20 18
	JUNE	15 6 43	15 2 58
	JULY	14 19 27	14 10 15
	AUG.	13 8 11	12 19 17
	SEPT.	11 20 55	11 6 54
	○	26 15 17	26 20 12
	OCT.	11 9 39	10 21 37
	NOV.	9 22 23	9 15 10
	DEC.	9 11 7	9 10 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 452.		*d. h. m.*	*d. h. m.*
F.E. March. *d. h. m.* 19 9 30	JAN.	7 23 51	8 5 54
	FEB.	6 12 35	6 23 51
	MAR.	7 1 20	7 15 8
	○	21 19 42	21 14 1
	APRIL	5 14 4	6 3 17
	MAY	5 2 48	5 12 48
	JUNE	3 15 32	3 20 16
	JULY	3 4 16	3 3 4
	AUG.	1 17 0	1 10 11
		31 5 44	30 18 41
	○	15 0 6	15 4 50
	SEPT.	29 18 28	29 5 21
	OCT.	29 7 12	28 18 47
	NOV.	27 19 56	27 10 56
	DEC.	27 8 40	27 5 7
453. D. 19 15 19	JAN.	25 21 25	26 0 6
	FEB.	24 10 8	24 18 20
	○	11 4 30	11 3 19
	MAR.	25 22 52	26 10 35
	APRIL	24 11 36	25 0 4
	MAY	24 0 20	24 10 51
	JUNE	22 13 4	22 19 34
	JULY	22 1 48	22 3 14
	AUG.	20 14 32	20 10 55
	○	4 8 54	4 6 39
	SEPT.	19 3 16	18 19 31
	OCT.	18 16 0	18 5 45
	NOV.	17 4 44	16 18 1
	DEC.	16 17 28	16 8 25
454. C. 19 21 8	JAN.	15 6 13	15 0 41
	FEB.	13 18 57	13 18 2
	MAR.	15 7 41	15 11 32
	APRIL	13 20 25	14 4 4
	MAY	13 9 9	13 18 46
	JUNE	11 21 53	12 7 16
	JULY	11 10 37	11 17 48
	AUG.	9 23 21	10 3 6
	SEPT.	8 12 5	8 11 59
	OCT.	8 0 49	7 21 19
	NOV.	6 13 33	6 7 35
	DEC.	6 2 17	5 19 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 455. B.		d. h. m.	d. h. m.
March. d. h. m. 20 2 56	JAN.	4 15 1	4 7 41
	○	19 9 28	19 22 7
	FEB.	3 8 45	2 21 35
	MAR.	4 16 29	4 12 36
	APRIL	3 5 13	3 4 22
	MAY	2 17 57	2 20 18
	JUNE	1 6 41	1 11 40
		30 19 25	1 1 52
	○	15 13 47	15 2 44
	JULY	30 8 9	30 14 37
	AUG.	28 20 53	29 2 8
	SEPT.	27 9 37	27 12 55
	OCT.	26 22 21	26 23 28
	NOV.	25 11 5	25 10 8
	DEC.	24 23 49	24 21 4
456. A.G. 19 8 45	○	8 18 12	9 3 4
	JAN.	23 12 34	23 8 18
	FEB.	22 1 18	21 19 57
	MAR.	22 14 2	22 8 21
	APRIL	21 2 46	20 21 49
	MAY	20 15 30	20 12 19
	JUNE	19 4 14	19 3 35
	○	3 22 36	3 18 32
	JULY	18 16 58	18 19 1
	AUG.	17 5 42	17 9 58
	SEPT.	15 18 26	16 0 3
	OCT.	15 7 10	15 13 9
	NOV.	13 19 54	14 1 22
	DEC.	13 8 38	13 12 51
	○	28 3 0	28 2 33
457. F. 19 14 34	JAN.	11 21 23	11 23 36
	FEB.	10 10 7	10 9 43
	MAR.	11 22 51	11 19 30
	APRIL	10 11 35	10 5 32
	MAY	10 0 19	9 16 34
	JUNE	8 13 8	8 5 10
	JULY	8 1 47	7 19 33
	AUG.	6 14 31	6 11 25
	SEPT.	5 3 15	5 4 3
	OCT.	4 15 59	4 20 34
	NOV.	3 4 43	3 12 11
	DEC.	2 17 27	3 2 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 458. E.		d. h. m.	d. h. m.
March. d. h. m. 19 20 23	JAN.	1 6 11	1 14 57
		30 18 55	31 1 52
	FEB.	...	...
	MAR.	1 7 39	1 11 18
		30 20 23	30 19 46
	APRIL	29 9 7	29 4 0
	○	14 3 29	14 14 31
	MAY	28 21 51	28 12 57
	JUNE	27 10 35	26 23 35
	JULY	26 23 19	26 12 31
	AUG.	25 12 3	25 4 5
	SEPT.	24 0 47	23 21 30
	OCT.	23 13 31	23 15 47
	○	7 7 53	6 23 30
	NOV.	22 2 15	22 9 37
	DEC.	21 14 59	22 1 52
459. D. 20 2 12	JAN.	20 3 44	20 15 50
	FEB.	18 16 28	19 3 16
	MAR.	20 5 12	20 12 33
	APRIL	18 17 56	18 20 19
	○	3 12 18	3 17 50
	MAY	18 6 40	18 3 25
	JUNE	16 19 24	16 10 56
	JULY	16 8 8	15 19 58
	AUG.	14 20 52	14 7 29
	SEPT.	13 9 36	12 21 58
	OCT.	12 22 20	12 15 13
	○	27 16 42	27 15 7
	NOV.	11 11 4	11 10 14
	DEC.	10 23 48	11 5 31
460. C.B. 19 8 1	JAN.	9 12 33	9 23 28
	FEB.	8 1 17	8 14 52
	MAR.	8 14 1	9 3 16
	APRIL	7 2 45	7 12 56
	○	21 21 7	21 18 26
	MAY	6 15 29	6 20 33
	JUNE	5 4 13	5 3 21
	JULY	4 16 57	4 10 13
	AUG.	3 5 41	2 18 16
	SEPT.	1 18 25	1 4 31
			30 17 48
	OCT. ○	1 7 9	16 6 9
		16 1 31	30 10 4
		30 19 53	
	NOV.	29 8 37	29 4 40
	DEC.	28 21 21	29 0 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 461.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 19 13 49	JAN.	27 10 5	27 19 8
	FEB.	25 22 49	26 11 41
	MAR.	27 11 33	28 1 20
	APRIL	26 0 17	26 12 15
	MAY	25 18 1	25 20 19
	JUNE	24 1 45	24 3 24
	JULY	23 14 29	23 10 19
	AUG.	22 3 13	21 18 7
	SEPT.	20 15 57	20 3 45
	OCT.	20 4 41	19 15 51
	NOV.	18 17 25	18 6 40
	DEC.	18 6 9	17 23 53
462. G. 19 19 38	JAN.	16 18 54	16 18 30
	FEB.	15 7 38	15 13 9
	○	2 2 0	2 2 53
	MAR.	16 20 22	17 6 22
	APRIL	15 9 6	15 21 12
	MAY	14 21 50	15 9 18
	JUNE	13 10 34	13 19 1
	JULY	12 23 18	13 3 12
	AUG.	11 12 2	11 10 55
	○	26 6 24	26 1 36
	SEPT.	10 0 46	9 19 8
	OCT.	9 13 30	9 4 39
	NOV.	8 2 14	7 15 57
	DEC.	7 14 58	7 5 16
463. F. 20 1 27	JAN.	6 3 43	5 20 30
	FEB.	4 16 27	4 13 10
	○	19 10 49	19 19 17
	MAR.	6 5 11	6 6 28
	APRIL	4 17 55	4 23 25
	MAY	4 6 39	4 15 2
	JUNE	2 19 23	3 4 41
	JULY	2 8 7	2 16 17
		31 20 51	1 2 18
	○	15 15 13	15 3 4
	AUG.	30 9 35	30 11 30
	SEPT.	28 22 19	28 20 47
	OCT.	28 11 3	28 6 41
	NOV.	26 23 47	26 17 34
	DEC.	26 12 31	26 5 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 464.		*d. h. m.*	*d. h. m.*
E.D. March. *d. h. m.* 19 7 15	JAN.	25 1 15	24 18 39
	○	8 19 37	9 8 52
	FEB.	23 13 59	23 8 50
	MAR.	24 2 43	23 23 59
	APRIL	22 15 27	22 15 41
	MAY	22 4 11	22 7 20
	JUNE	20 16 55	20 22 14
	JULY	20 5 39	20 11 54
	○	4 0 1	3 11 12
	AUG.	18 18 23	19 0 16
	SEPT.	17 7 7	17 11 33
	OCT.	16 19 51	16 22 23
	NOV.	15 8 35	15 9 14
	DEC.	14 21 19	14 20 4
465. C. 19 13 4	JAN.	13 10 3	13 7 1
	FEB.	11 22 47	11 18 11
	MAR.	13 11 32	13 5 54
	APRIL	12 0 16	11 18 30
	MAY	11 13 0	11 8 16
	JUNE	10 1 44	9 23 7
	○	24 20 6	24 18 55
	JULY	9 14 28	9 14 36
	AUG.	8 3 12	8 6 3
	SEPT.	6 15 56	6 20 53
	OCT.	6 4 40	6 10 47
	NOV.	4 17 24	4 23 41
	DEC.	4 6 8	4 11 40
	○	19 0 30	18 20 54
466. B. 19 18 53	JAN.	2 18 53	2 22 46
	FEB.	1 7 37	1 9 2
	MAR.	2 20 21	2 18 42
	APRIL	1 9 5	1 4 17
		30 21 49	30 14 28
	MAY	30 10 33	30 2 2
	○	14 4 55	14 11 38
	JUNE	28 23 17	28 15 26
	JULY	28 12 1	28 6 41
	AUG.	27 0 45	26 23 13
	SEPT.	25 13 29	25 16 8
	OCT.	25 2 13	25 8 34
	NOV.	23 14 57	23 23 46
	○	8 9 19	7 23 43
	DEC.	23 3 41	23 13 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 467.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 20 0 42	JAN. .	21 16 25	22 0 57
	FEB. .	20 5 9	20 10 57
	MAR. .	21 17 53	21 19 38
	APRIL	20 6 37	20 8 40
	MAY .	19 19 21	19 11 57
	○	3 13 43	3 23 12
	JUNE .	18 8 5	17 21 30
	JULY .	17 20 49	17 9 12
	AUG. .	16 9 33	15 23 31
	SEPT. .	14 22 17	14 16 14
	OCT. .	14 11 1	14 10 26
	NOV. .	12 23 45	13 4 52
	○	27 18 7	27 9 49
	DEC. .	12 12 29	12 22 11
468. G.F. 19 6 31	JAN. .	11 1 13	11 13 24
	FEB. .	9 13 57	10 2 1
	MAR. .	10 2 42	10 12 12
	APRIL	8 15 26	8 20 29
	MAY .	8 4 10	8 3 39
	JUNE .	6 16 54	6 10 44
	JULY .	6 5 38	5 18 50
	AUG. .	4 18 22	4 5 0
	SEPT. .	3 7 6	2 18 2
	OCT. .	2 19 50	2 10 5
	NOV. .	1 8 34	1 4 30
		30 21 18	30 23 57
	DEC. .	30 10 2	30 18 47
469. E. 19 12 20	JAN. .	28 22 46	29 11 33
	FEB. .	27 11 31	28 1 25
	MAR. .	29 0 15	29 12 17
	○	12 18 37	12 14 27
	APRIL	27 12 59	27 20 46
	MAY .	27 1 43	27 3 47
	JUNE .	25 14 27	25 10 25
	JULY .	25 8 11	24 17 47
	AUG. .	23 15 55	23 2 56
	SEPT. .	22 4 39	21 14 44
	○	6 23 1	7 4 27
	OCT. .	21 17 23	21 5 34
	NOV. .	20 6 7	19 23 9
	DEC. .	19 18 51	19 18 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 470.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 19 18 8	JAN. .	18 7 35	18 13 46
	FEB. .	16 20 19	17 7 33
	MAR. .	18 9 3	18 22 38
	○	2 3 25	1 21 33
	APRIL	16 21 47	17 10 40
	MAY .	16 10 31	16 20 3
	JUNE .	14 23 15	15 3 39
	JULY .	14 11 59	14 10 35
	AUG. .	13 0 43	12 17 58
	SEPT. .	11 13 27	11 2 43
	○	26 7 49	26 12 28
	OCT. .	11 2 11	10 13 37
	NOV. .	9 14 55	9 3 8
	DEC. .	9 3 39	8 19 9
471. C. 19 23 57	JAN. .	7 16 24	7 13 6
	FEB. .	6 5 8	6 7 43
	MAR. .	7 17 52	8 1 38
	○	22 12 14	22 11 20
	APRIL	6 6 36	6 17 39
	MAY .	5 19 20	6 7 5
	JUNE .	4 8 4	4 17 59
	JULY .	3 20 48	4 2 54
	AUG. .	2 9 32	2 10 53
		31 22 16	31 18 56
	○	15 16 38	15 13 52
	SEPT. .	30 11 0	30 3 55
	OCT. .	29 23 44	29 14 24
	NOV. .	28 12 28	28 2 42
	DEC. .	28 1 12	27 16 52
472. B.A. 19 5 46	JAN. .	26 13 56	26 8 40
	FEB. .	25 2 40	25 1 30
	MAR. .	25 15 24	25 18 31
	APRIL	24 4 8	24 10 45
	MAY .	23 16 52	24 1 26
	JUNE .	22 5 36	22 14 8
	JULY .	21 18 20	22 1 3
	AUG. .	20 7 4	20 10 49
	SEPT. .	18 19 48	18 20 13
	OCT. .	18 8 32	18 5 57
	NOV. .	16 21 16	16 16 26
	DEC. .	16 10 0	16 3 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 473. G.		d. h. m.	d. h. m.
	JAN.	14 22 45	14 16 14
	○	29 17 7	30 6 23
March. d. h. m. 19 11 35	FEB.	13 11 29	13 5 36
	MAR.	15 0 13	14 19 59
	APRIL	13 12 57	13 11 13
	MAY	13 1 41	13 2 49
	JUNE	11 14 25	11 18 10
	JULY	11 8 9	11 8 37
	○	25 21 31	25 10 9
	AUG.	9 15 53	9 21 51
	SEPT.	8 4 37	8 9 57
	OCT.	7 17 21	7 21 17
	NOV.	6 6 5	6 8 16
	DEC.	5 18 49	5 19 8
474. F.	JAN.	4 7 34	4 5 58
	○	19 1 56	19 11 1
	FEB.	2 20 18	2 16 49
19 17 24	MAR.	4 9 2	4 8 57
	APRIL	2 21 46	2 15 44
	MAY	2 10 30	2 4 39
		31 23 14	31 18 50
	JUNE	30 11 58	30 10 4
	○	15 6 20	15 2 5
	JULY	30 0 42	30 1 45
	AUG.	28 13 26	28 17 11
	SEPT.	27 2 10	27 7 53
	OCT.	26 14 54	26 21 34
	NOV.	25 8 38	25 10 11
	DEC.	24 16 22	24 21 46
	○	8 10 44	8 10 28
475. E.	JAN.	23 5 6	23 8 21
	FEB.	21 17 50	21 18 5
19 23 13	MAR.	23 6 34	23 8 24
	APRIL	21 19 18	21 12 55
	MAY	21 8 2	20 23 29
	JUNE	19 20 46	19 11 48
	○	4 15 8	4 19 6
	JULY	19 9 30	19 2 11
	AUG.	17 22 14	17 18 16
	SEPT.	16 10 58	16 11 19
	OCT.	15 23 42	16 4 23
	NOV.	14 12 26	14 20 31
	DEC.	14 1 10	14 11 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 476. D.C.		d. h. m.	d. h. m.
March. d. h. m. 19 5 1	JAN.	12 13 55	12 23 41
	FEB.	11 2 39	11 10 24
	MAR.	11 15 23	11 19 30
	APRIL	10 4 7	10 3 34
	MAY	9 16 51	9 11 24
	○	24 11 13	24 21 21
	JUNE	8 5 35	7 20 4
	JULY	7 18 19	7 6 31
	AUG.	6 7 3	5 19 32
	SEPT.	4 19 47	4 11 11
	OCT.	4 8 31	4 4 57
	NOV.	2 21 15	2 23 39
	○	17 15 37	17 8 20
	DEC.	2 9 59	2 17 51
		31 22 44	...
477. B.	JAN.	...	1 10 19
		30 11 28	31 0 14
	FEB.	...	...
19 10 50	MAR.	1 0 12	1 11 30
		30 12 56	30 20 29
	APRIL	29 1 40	29 3 58
	○	13 20 2	14 0 24
	MAY	28 14 24	28 10 51
	JUNE	27 8 8	26 18 15
	JULY	26 15 52	26 3 16
	AUG.	25 4 36	24 14 51
	SEPT.	23 17 20	23 5 29
	OCT.	23 6 4	22 22 56
	○	7 0 26	6 23 57
	NOV.	21 18 48	21 18 10
	DEC.	21 7 32	21 13 34
478. A.	JAN.	19 20 16	20 7 32
	FEB.	18 9 0	18 22 50
19 16 39	MAR.	19 21 44	20 11 5
	APRIL	18 10 28	18 20 33
	○	8 4 50	8 1 7
	MAY	17 23 12	18 4 7
	JUNE	16 11 56	16 10 48
	JULY	16 0 40	15 17 41
	AUG.	14 13 24	14 1 54
	SEPT.	13 2 8	12 12 23
	OCT.	12 14 52	12 1 46
	○	27 9 14	27 14 41
	NOV.	11 8 36	10 18 5
	DEC.	10 16 20	10 12 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 479. G. March. d. h. m. 19 22 28	JAN.	9 5 5	9 8 7
	FEB.	7 17 49	8 2 46
	MAR.	9 6 33	9 19 12
	APRIL	7 19 17	8 8 42
	MAY	7 8 1	7 19 18
	JUNE	5 20 45	6 3 41
	JULY	5 9 29	5 10 53
	AUG.	3 22 13	3 18 2
	SEPT.	2 10 57	2 2 7
	OCT.	1 23 41	1 12 0
		31 12 25	31 0 16
	NOV.	30 1 9	29 15 2
	DEC.	29 13 53	29 8 1
480. F.E. 19 4 17	JAN.	28 2 37	28 2 16
	FEB.	26 15 21	26 20 30
	○ MAR.	12 9 43	12 11 8
		27 4 6	27 13 27
	APRIL	25 16 50	26 4 10
	MAY	25 5 34	25 16 18
	JUNE	23 18 18	24 2 12
	JULY	23 7 2	23 10 42
	AUG.	21 19 46	21 18 49
	○ SEPT.	5 14 8	5 8 41
		20 8 30	20 3 26
	OCT.	19 21 14	19 13 16
	NOV.	18 9 58	18 0 41
	DEC.	17 22 42	17 13 52
481. D. 19 10 6	JAN.	16 11 26	16 4 42
	FEB.	15 0 10	14 20 50
	○ MAR.	1 18 32	2 3 33
		16 12 54	16 13 36
	APRIL	15 1 38	15 6 10
	MAY	14 14 22	14 21 38
	JUNE	13 3 6	13 11 25
	JULY	12 15 50	12 23 20
	AUG.	11 4 34	11 9 48
	○	25 22 56	25 10 15
	SEPT.	9 17 18	9 19 33
	OCT.	9 6 2	9 5 17
	NOV.	7 18 46	7 15 31
	DEC.	7 7 30	7 2 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 482. C. March. d. h. m. 19 15 54	JAN.	5 20 15	5 14 15
	FEB.	4 8 59	4 2 54
	○	19 3 21	19 17 1
	MAR.	5 21 43	5 16 29
	APRIL	4 10 27	4 7 1
	MAY	3 23 11	3 22 18
	JUNE	2 11 55	2 13 47
	JULY	2 0 39	2 4 50
		31 13 23	31 18 54
	○ AUG.	15 7 45	14 18 27
		30 2 7	30 7 49
	SEPT.	28 14 51	28 19 46
	OCT.	28 3 35	28 7 8
	NOV.	26 16 19	26 18 10
	DEC.	26 5 3	26 5 1
483. B. 19 21 43	JAN.	24 17 47	24 15 43
	FEB.	23 6 31	23 2 25
	MAR.	24 19 15	24 13 31
	APRIL	23 7 59	23 1 32
	MAY	22 20 43	22 14 53
	JUNE	21 9 27	21 5 34
	○ JULY	6 3 49	6 2 24
		20 22 11	20 21 11
	AUG.	19 10 55	19 13 2
	SEPT.	17 23 39	18 4 26
	OCT.	17 12 23	17 18 57
	NOV.	16 1 7	16 8 20
	DEC.	15 13 51	15 20 32
	○	30 8 13	30 6 33
484. A.G. 19 3 32	JAN.	14 2 35	14 7 35
	FEB.	12 15 20	12 17 35
	MAR.	13 4 4	13 2 48
	APRIL	11 16 48	11 11 52
	MAY	11 5 32	10 21 35
	JUNE	9 18 16	9 8 49
	○ JULY	24 12 38	24 18 56
		9 7 0	8 22 5
	AUG.	7 19 44	7 13 26
	SEPT.	6 8 28	6 6 18
	OCT.	5 21 12	5 23 45
	NOV.	4 9 56	4 16 42
	DEC.	3 22 40	4 8 17
	○	18 17 2	18 8 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 485. F. March. *d. h. m.* 19 9 21	JAN.	2 11 25	2 21 58
	FEB.	1 0 9	1 9 34
	MAR.	2 12 58	2 19 16
	APRIL	1 1 37	1 8 34
		30 14 21	30 11 13
	MAY	30 8 5	29 19 11
	○	13 21 27	14 6 43
	JUNE	28 15 49	28 4 33
	JULY	28 4 33	27 16 12
	AUG.	26 17 17	26 6 37
	SEPT.	25 6 1	24 23 34
	OCT.	24 18 45	24 18 8
	NOV.	23 7 29	23 12 57
	○	8 1 51	7 18 39
	DEC.	22 20 13	23 6 30
486. E. 19 15 10	JAN.	21 8 57	21 21 46
	FEB.	19 21 41	20 10 16
	MAR.	21 10 25	21 20 12
	APRIL	19 23 9	20 4 12
	MAY	19 11 53	19 11 9
	JUNE	18 0 37	17 18 4
	JULY	17 13 21	17 2 8
	AUG.	16 2 5	15 12 23
	SEPT.	14 14 49	14 1 34
	OCT.	14 3 33	13 17 45
	NOV.	12 16 17	12 12 20
	DEC.	12 5 1	12 7 56
487. D. 19 20 59	JAN.	10 17 46	11 2 50
	FEB.	9 6 30	9 19 31
	MAR.	10 19 14	11 9 13
	APRIL	9 7 58	9 19 56
	○	24 2 20	23 21 20
	MAY	8 20 42	9 4 16
	JUNE	7 9 26	7 11 13
	JULY	6 22 10	6 17 54
	AUG.	5 10 54	5 1 24
	SEPT.	3 23 38	3 10 45
	OCT.	3 12 22	2 22 43
	○	18 6 44	18 12 46
	NOV.	2 1 6	1 13 39
	DEC.	1 13 50	1 7 13
		31 2 34	31 2 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 488. C.B. March. *d. h. m.* 19 2 47	JAN.	29 15 19	29 21 30
	FEB.	28 4 3	28 15 4
	MAR.	28 16 47	29 6 0
	○	12 11 9	12 5 0
	APRIL	27 5 31	27 17 57
	MAY	26 18 15	27 3 20
	JUNE	25 6 59	25 11 3
	JULY	24 19 43	24 18 14
	AUG.	23 8 27	23 1 53
	SEPT.	21 21 11	21 10 55
	○	6 15 33	6 20 16
	OCT.	21 9 55	20 22 3
	NOV.	19 22 39	19 11 34
	DEC.	19 11 23	19 3 26
489. A. 19 8 36	JAN.	18 0 7	17 20 59
	FEB.	16 12 51	16 15 12
	MAR.	18 1 35	18 8 45
	○	1 19 57	1 19 12
	APRIL	16 14 19	17 0 34
	MAY	16 3 3	16 13 59
	JUNE	14 15 47	15 1 1
	JULY	14 4 31	14 10 15
	AUG.	12 17 15	12 18 37
	SEPT.	11 5 59	11 3 5
	○	26 0 21	25 21 12
	OCT.	10 18 43	10 12 26
	NOV.	9 7 27	8 23 7
	DEC.	8 20 11	8 11 21
490. G. 19 14 25	JAN.	7 8 56	7 1 17
	FEB.	5 21 40	5 16 35
	MAR.	7 10 24	7 8 51
	APRIL	5 23 8	6 1 23
	MAY	5 11 52	5 17 23
	JUNE	4 0 36	4 8 5
	JULY	3 13 20	3 21 2
	AUG.	2 2 4	2 8 24
		31 14 48	31 18 40
	SEPT.	30 3 32	30 4 35
	OCT.	29 16 16	29 14 43
	NOV.	28 5 0	28 1 22
	DEC.	27 17 44	27 12 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 491. F.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 19 20 14	JAN. .	26 6 29	26 0 42
	○	10 0 51	10 14 29
	FEB. .	24 19 13	24 13 31
	MAR. .	26 7 57	26 3 16
	APRIL	24 20 41	24 17 58
	MAY .	24 9 25	24 9 19
	JUNE .	22 22 9	23 0 39
	JULY .	22 10 53	22 15 24
	○	6 5 15	5 17 42
	AUG. .	20 23 37	21 5 10
	SEPT. .	19 12 21	19 17 52
	OCT. .	19 1 5	19 5 45
	NOV. .	17 13 49	17 17 7
	DEC. .	17 2 33	17 4 6
492. E.D.	JAN. .	15 15 17	15 14 47
	○	30 9 39	30 18 48
	FEB. .	14 4 1	14 1 14
19 2 8	MAR. .	14 16 45	14 11 47
	APRIL	13 5 29	12 23 0
	MAY .	12 18 13	12 11 27
	JUNE .	11 6 57	11 1 21
	JULY .	10 19 41	10 16 34
	○	25 14 3	25 9 43
	AUG. .	9 8 25	9 8 31
	SEPT. .	7 21 9	8 0 30
	OCT. .	7 9 53	7 15 48
	NOV. .	5 22 37	6 6 8
	DEC. .	5 11 21	5 18 59
493. C.	JAN. .	4 0 6	4 6 39
	○	18 18 28	18 18 17
	FEB. .	2 12 50	2 17 2
19 7 52	MAR. .	4 1 34	4 2 23
	APRIL	2 14 18	2 11 12
	MAY .	2 3 2	1 20 15
		31 15 46	31 6 26
	JUNE .	30 4 30	29 18 32
	○	14 22 52	15 2 35
	JULY .	29 17 14	29 8 54
	AUG. .	28 5 58	28 1 14
	SEPT. .	26 18 42	26 18 44
	OCT. .	26 7 26	26 12 20
	NOV. .	24 20 10	25 4 55
	DEC. .	24 8 54	24 19 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 494. B.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 19 13 40	JAN. .	22 21 39	23 8 20
	FEB. .	21 10 23	21 18 49
	MAR. .	22 23 7	23 3 34
	APRIL	21 11 51	21 11 16
	MAY .	21 0 35	20 18 47
	○	4 18 57	5 4 8
	JUNE .	19 13 19	19 3 12
	JULY .	19 2 3	18 13 34
	AUG. .	17 14 47	17 2 37
	SEPT. .	16 3 31	15 18 28
	OCT. .	15 16 15	15 12 33
	NOV. .	14 4 59	14 7 36
	○	28 23 21	28 17 13
	DEC. .	13 17 43	14 2 4
495. A.	JAN. .	12 6 27	12 18 38
	FEB. .	10 19 11	11 8 29
19 19 29	MAR. .	12 7 55	12 19 33
	APRIL	10 20 39	11 4 17
	MAY .	10 9 23	10 11 30
	○	25 3 45	25 6 53
	JUNE .	8 22 7	8 18 14
	JULY .	8 10 51	8 1 35
	AUG. .	6 23 35	6 10 39
	SEPT. .	5 12 19	4 22 22
	OCT. .	5 1 3	4 13 10
	NOV. .	3 13 47	3 6 47
	○	18 3 9	18 3 50
	DEC. .	3 2 31	3 2 7
496. G.F.	JAN. .	1 15 16	1 21 34
		31 4 0	31 15 28
	FEB. .	29 16 44	1 6 39
19 1 18	MAR. .	30 5 28	30 18 43
	APRIL	28 18 12	29 4 4
	○	13 12 34	13 7 48
	MAY .	28 6 56	28 11 34
	JUNE .	26 19 40	26 18 16
	JULY .	26 8 24	26 1 13
	AUG. .	24 21 8	24 9 42
	SEPT. .	23 9 52	22 20 23
	OCT. .	22 22 36	22 9 54
	○	6 16 58	6 23 19
	NOV. .	21 11 20	21 2 14
	DEC. .	21 0 4	20 20 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 497.		d. h. m.	d. h. m.
E. March. d. h. m. 19 7 7	JAN. .	19 12 48	19 15 54
	FEB. .	18 1 32	18 10 17
	MAR. .	19 14 16	20 2 33
	APRIL	18 8 0	18 15 55
	MAY .	17 15 44	18 2 30
	JUNE .	16 4 28	16 10 59
	JULY .	15 17 12	15 18 24
	AUG. .	14 5 56	14 1 51
	SEPT. .	12 18 40	12 10 16
	OCT. .	12 7 24	11 20 25
	NOV. .	10 20 8	10 8 45
	DEC. .	10 8 52	9 23 26
498. D. 19 12 56	JAN. .	8 21 37	8 16 5
	FEB. .	7 10 21	7 9 54
	MAR. .	8 23 5	9 3 44
	○	23 17 27	23 19 5
	APRIL	7 11 49	7 20 23
	MAY .	7 0 33	7 11 0
	JUNE .	5 13 17	5 23 15
	JULY .	5 2 1	5 9 24
	AUG. .	3 14 45	3 18 17
	SEPT. .	2 3 29	2 2 50
	○	16 21 51	16 15 54
	OCT. .	1 16 13	1 11 52
		31 4 57	30 21 58
	NOV. .	29 17 41	29 9 28
	DEC. .	29 6 25	28 22 26
499. C. 19 18 45	JAN. .	27 19 10	27 12 50
	FEB. .	26 7 54	26 4 24
	○	13 2 16	13 11 42
	MAR. .	27 20 38	27 20 38
	APRIL	26 9 22	26 12 51
	MAY .	25 22 6	26 4 13
	JUNE .	24 10 50	24 18 8
	JULY .	23 23 34	24 6 27
	AUG. .	22 12 18	22 17 27
	○	6 6 40	5 17 33
	SEPT. .	21 1 2	21 3 44
	OCT. .	20 13 46	20 13 54
	NOV. .	19 2 30	19 0 25
	DEC. .	18 15 14	18 11 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 500.		d. h. m.	d. h. m.
B.A. March. d. h. m. 19 0 34	JAN. .	17 3 58	16 22 55
	FEB. .	15 16 42	15 11 2
	○	1 11 4	2 0 58
	MAR. .	16 5 26	16 0 0
	APRIL	14 18 10	14 13 59
	MAY .	14 6 54	14 4 52
	JUNE .	12 19 38	12 20 13
	JULY .	12 8 22	12 11 27
	AUG. .	10 21 6	11 1 57
	○	25 15 28	25 2 25
	SEPT. .	9 9 50	9 15 28
	OCT. .	8 22 34	9 4 1
	NOV. .	7 11 18	7 15 51
	DEC. .	7 0 2	7 3 7
501. G. 19 6 22	JAN. .	5 12 46	5 13 55
	FEB. .	4 1 31	4 0 18
	MAR. .	5 14 15	5 10 31
	APRIL	4 2 59	3 21 2
	MAY .	3 15 43	3 8 33
	JUNE .	2 4 27	1 21 31
	JULY .	1 17 11	1 12 5
		31 5 55	31 3 51
	AUG. .	29 18 39	29 20 7
	SEPT. .	28 7 23	28 12 8
	OCT. .	27 20 7	28 3 14
	NOV. .	26 8 51.	26 17 2
	DEC. .	25 21 35	26 5 24
502. F. 19 12 11	○	9 15 58	9 12 52
	JAN. .	24 10 20	24 16 21
	FEB. .	22 23 4	23 2 0
	MAR. .	24 11 48	24 10 47
	APRIL	23 0 32	22 19 22
	MAY .	22 13 16	22 4 41
	JUNE .	21 2 0	20 15 38
	○	5 20 22	6 2 17
	JULY .	20 14 44	20 4 50
	AUG. .	19 3 28	18 20 19
	SEPT. .	17 16 12	17 13 33
	OCT. .	17 4 56	17 7 30
	NOV. .	15 17 40	16 0 55
	DEC. .	15 6 24	15 16 50
	○	30 0 46	29 16 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 503.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 19 18 0	JAN.	13 19 8	14 6 35
	FEB.	12 7 52	12 18 1
	MAR.	13 20 36	14 3 25
	APRIL	12 9 20	12 11 22
	MAY	11 22 4	11 18 41
	JUNE	10 10 48	10 2 25
	○	25 5 10	25 13 35
	JULY	9 23 32	9 11 38
	AUG.	8 12 16	7 23 17
	SEPT.	7 1 0	6 13 50
	OCT.	6 13 44	6 7 4
	NOV.	5 2 28	5 1 57
	DEC.	4 15 12	4 21 1
	○	19 9 31	19 8 29
504. D.C. 18 23 49	JAN.	3 3 57	3 14 46
	FEB.	1 16 41	2 6 2
	MAR.	2 5 25	2 18 22
		31 18 9	1 4 4
	APRIL	30 6 53	30 11 49
	MAY	29 19 37	29 18 36
	JUNE	28 8 21	28 1 29
	JULY	27 21 5	27 9 35
	AUG.	26 9 49	25 19 56
	SEPT.	24 22 33	24 9 15
	OCT.	24 11 17	24 1 37
	NOV.	23 0 1	22 20 18
	DEC.	22 12 45	22 15 55
505. B. 19 5 38	JAN.	21 1 30	21 10 45
	FEB.	19 14 14	20 3 19
	MAR.	21 2 58	21 16 52
	APRIL	19 15 42	20 3 26
	○	4 10 4	4 4 10
	MAY	19 4 26	19 11 42
	JUNE	17 17 10	17 18 40
	JULY	17 5 54	17 1 28
	AUG.	15 18 38	15 9 10
	SEPT.	14 7 22	13 18 43
	OCT.	13 20 6	13 6 52
	○	28 14 28	28 21 12
	NOV.	12 8 50	11 21 52
	DEC.	11 21 34	11 15 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 506.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 19 11 27	JAN.	10 10 18	10 10 14
	FEB.	8 23 2	9 5 5
	MAR.	10 11 46	10 22 25
	APRIL	9 0 30	9 13 11
	○	23 18 52	23 12 6
	MAY	8 13 14	9 1 6
	JUNE	7 1 58	7 10 34
	JULY	6 14 42	6 18 29
	AUG.	5 8 26	5 1 56
	SEPT.	3 16 10	3 9 55
	OCT.	3 4 54	2 19 17
	○	17 23 16	18 4 7
	NOV.	1 17 38	1 6 35
	DEC.	1 6 22	30 20 5
		30 19 6	30 11 41
507. G. 19 17 15	JAN.	29 7 51	29 4 50
	FEB.	27 20 35	27 22 34
	MAR.	29 9 19	29 15 45
	○	13 3 41	13 2 58
	APRIL	27 22 3	28 7 23
	MAY	27 10 47	27 20 49
	JUNE	25 23 31	26 8 5
	JULY	25 12 15	25 17 40
	AUG.	24 0 59	24 2 29
	SEPT.	22 13 43	22 11 24
	○	7 8 5	7 4 42
	OCT.	22 2 27	21 21 6
	NOV.	20 15 11	20 7 57
	DEC.	20 3 55	19 20 8
508. F.E. 18 23 4	JAN.	18 16 40	18 9 40
	FEB.	17 5 24	17 0 23
	MAR.	17 18 8	17 16 4
	APRIL	16 6 52	16 8 10
	MAY	15 19 36	15 23 56
	JUNE	14 8 20	14 14 40
	JULY	13 21 4	14 3 57
	AUG.	12 9 48	12 15 48
	SEPT.	10 22 32	11 2 38
	OCT.	10 11 16	10 18 4
	NOV.	9 0 0	8 23 33
	DEC.	8 12 44	8 10 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 509. D.	JAN.	7 1 28	6 21 29
March. d. h. m. 19 4 58	FEB.	5 14 12	5 9 4
	○	20 8 34	20 22 27
	MAR.	7 2 56	6 21 17
	APRIL	5 15 40	5 10 27
	MAY	5 4 24	5 0 39
	JUNE	3 17 8	3 15 45
	JULY	3 5 52	3 7 9
	AUG. ○	1 18 36	1 22 15
		16 12 58	16 1 21
		31 7 20	31 12 33
	SEPT.	29 20 4	30 1 53
	OCT.	29 8 48	29 14 19
	NOV.	27 21 32	28 2 1
	DEC.	27 10 16	27 13 3
510. C.	JAN.	25 23 1	25 23 31
	○	9 17 23	10 1 3
	FEB.	24 11 45	24 9 32
19 10 42	MAR.	26 0 29	25 19 33
	APRIL	24 13 13	24 6 13
	MAY	24 1 57	23 18 12
	JUNE	22 14 41	22 7 53
	JULY	22 3 25	21 23 9
	○	5 21 47	5 17 27
	AUG.	20 16 9	20 15 27
	SEPT.	19 4 53	19 7 57
	OCT.	18 17 37	18 23 51
	NOV.	17 6 21	17 14 35
	DEC.	16 19 5	17 3 48
511. B.	JAN.	15 7 49	15 15 26
	○	30 2 11	30 2 0
	FEB.	13 20 33	14 1 34
19 16 31	MAR.	15 9 17	15 10 30
	APRIL	13 22 1	13 18 52
	MAY	13 10 45	13 3 29
	JUNE	11 23 29	11 13 23
	JULY	11 12 13	11 1 19
	○	26 6 35	26 10 6
	AUG.	10 0 57	9 15 43
	SEPT.	8 13 41	8 8 20
	OCT.	8 2 25	8 2 17
	NOV.	6 15 9	6 20 20
	DEC.	6 3 53	6 13 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 512. A.G. March. d. h. m. 18 22 20	JAN.	4 16 38	5 4 16
	FEB.	3 5 22	3 16 49
	MAR.	3 18 6	4 3 3
	APRIL	2 6 50	2 11 29
	MAY	1 19 34	1 18 50
		31 8 18	31 2 7
	○	15 2 40	15 10 52
	JUNE	29 21 2	29 10 23
	JULY	29 9 46	23 20 42
	AUG.	27 22 30	27 9 51
	SEPT.	26 11 14	26 1 55
	OCT.	25 23 58	25 20 15
	NOV.	24 12 42	24 15 34
	○	9 7 4	9 2 7
	DEC.	24 1 26	24 10 13
513. F.	JAN.	22 14 11	23 2 50
	FEB.	21 2 55	21 16 36
19 4 8	MAR.	22 15 39	23 8 27
	APRIL	21 4 23	21 11 58
	MAY	20 17 7	20 19 1
	○	4 11 29	4 13 19
	JUNE	19 5 51	19 1 40
	JULY	18 18 35	18 9 3
	AUG.	17 7 19	16 18 13
	SEPT.	15 20 3	15 6 4
	OCT.	15 8 47	14 21 1
	NOV.	13 21 31	13 14 43
	○	28 15 53	28 17 48
	DEC.	13 10 15	13 10 4
514. E.	JAN.	11 22 59	12 5 27
	FEB.	10 11 43	10 23 15
19 9 57	MAR.	12 0 27	12 14 17
	APRIL	10 13 11	11 2 13
	MAY	10 1 55	10 11 23
	○	24 20 17	24 14 24
	JUNE	8 14 39	8 18 58
	JULY	8 3 23	8 1 46
	AUG.	6 16 7	6 9 0
	SEPT.	5 4 51	4 17 37
	OCT.	4 17 35	4 4 31
	NOV.	3 6 19	2 18 9
	○	18 0 41	18 7 59
	DEC.	2 19 3	2 10 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 515. D.		*d. h. m.*	*d. h. m.*
	JAN.	1 7 48	1 4 40
		30 20 32	30 23 36
March. *d. h. m.* 19 15 46	FEB.	...	...
	MAR.	1 9 16	1 17 43
		30 22 0	31 9 44
	APRIL	29 10 44	29 23 1
	MAY	28 23 28	29 9 40
	JUNE	27 12 12	27 18 19
	JULY	27 0 56	27 2 1
	AUG.	25 13 40	25 9 47
	SEPT.	24 2 24	23 18 33
	OCT.	23 15 8	23 4 57
	NOV.	22 8 52	21 17 22
	DEC.	21 16 36	21 7 51
516. C.B.	JAN.	20 5 20	20 0 6
	FEB.	18 18 4	18 17 26
18 21 35	MAR.	19 6 49	19 10 49
	○	3 1 11	3 2 59
	APRIL	17 19 33	18 8 12
	MAY	17 8 17	17 17 45
	JUNE	15 21 1	16 6 10
	JULY	15 9 45	15 16 40
	AUG.	13 22 29	14 1 57
	SEPT.	12 11 13	12 10 58
	○	27 5 35	26 23 18
	OCT.	11 23 57	11 20 25
	NOV.	10 12 41	10 6 48
	DEC.	10 1 25	9 18 19
517. A.	JAN.	8 14 9	8 7 0
	FEB.	7 2 53	6 20 53
19 3 24	MAR.	8 15 37	8 11 51
	○	23 9 59	23 19 40
	APRIL	7 4 21	7 3 32
	MAY	6 17 5	6 19 24
	JUNE	5 5 49	5 10 42
	JULY	4 18 33	5 0 52
	AUG.	3 7 17	3 13 37
	SEPT.	1 20 1	2 1 11
	○	16 14 23	16 1 11
	OCT.	1 8 45	1 12 1
		30 21 29	30 22 39
	NOV.	29 10 13	29 9 23
	DEC.	28 22 57	28 20 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 518. G.		*d. h. m.*	*d. h. m.*
	JAN.	27 11 42	27 7 29
	FEB.	26 0 26	25 19 5
March. *d. h. m.* 19 9 13	○	12 18 48	13 8 46
	MAR.	27 13 10	27 7 26
	APRIL	26 1 54	25 20 52
	MAY	25 14 38	25 11 22
	JUNE	24 3 22	24 2 40
	JULY	23 16 6	23 18 8
	AUG.	22 4 50	22 9 7
	○	5 23 12	5 10 15
	SEPT.	20 17 34	20 23 16
	OCT.	20 6 18	20 12 24
	NOV.	18 19 2	19 0 39
	DEC.	18 7 46	18 12 6
519. F.	JAN.	16 20 30	16 22 46
	FEB.	15 9 14	15 8 46
19 15 1	MAR.	16 21 59	16 18 29
	APRIL	15 10 43	15 4 28
	MAY	14 23 27	14 15 20
	JUNE	13 12 11	13 4 9
	JULY	13 0 55	12 18 39
	AUG.	11 13 39	11 10 38
	SEPT.	10 2 23	10 3 22
	OCT.	9 15 7	9 19 56
	NOV.	8 3 51	8 11 34
	DEC.	7 16 35	8 1 45
520. E.D.	JAN.	6 5 19	6 14 13
	○	20 23 41	20 20 46
	FEB.	4 18 3	5 0 58
18 20 50	MAR.	5 6 47	5 10 16
	APRIL	3 19 31	3 18 37
	MAY	3 8 15	3 2 48
	JUNE	1 20 59	1 11 46
			30 22 29
	JULY ○	1 9 43	
		16 4 5	16 9 38
		30 22 27	30 11 41
	AUG.	29 11 11	29 3 21
	SEPT.	27 23 55	27 20 56
	OCT.	27 12 39	27 15 18
	NOV.	26 1 23	26 9 8
	DEC.	25 14 7	26 1 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 521. C.	○	9 8 30	9 0 57
March. *d. h. m.* 19 2 39	JAN.	24 2 52	24 15 5
	FEB.	22 15 36	23 2 20
	MAR.	24 4 20	24 11 27
	APRIL	22 17 4	22 19 4
	MAY	22 5 48	22 2 8
	JUNE	20 18 32	20 9 41
	○	5 12 54	5 20 31
	JULY	20 7 16	19 18 50
	AUG.	18 20 0	18 6 33
	SEPT.	17 8 44	16 21 15
	OCT.	16 21 28	16 14 42
	NOV.	15 10 12	15 9 49
	DEC.	14 22 56	15 5 6
	○	29 17 18	29 12 19
522. B.	JAN.	13 11 41	13 22 56
19 8 23	FEB.	12 0 25	12 14 8
	MAR.	13 13 9	14 2 18
	APRIL	12 1 53	12 11 47
	MAY	11 14 37	11 19 22
	JUNE	10 3 21	10 2 3
	JULY	9 16 5	9 8 57
	AUG.	8 4 49	7 17 9
	SEPT.	6 17 33	6 3 39
	OCT.	6 6 17	5 17 6
	NOV.	4 19 1	4 9 35
	DEC.	4 7 45	4 4 18
523. A.	JAN.	2 20 29	2 23 50
19 14 17	FEB.	1 9 13	1 18 32
	MAR.	2 21 57	3 10 57
	APRIL	1 10 41	2 0 21
		30 23 25	1 10 49
	○	15 17 47	15 10 55
	MAY	30 12 9	30 19 4
	JUNE	29 0 53	29 2 7
	JULY	28 13 37	28 9 5
	AUG.	27 2 21	26 17 2
	SEPT.	25 15 5	25 2 51
	OCT.	25 3 49	24 15 9
	○	8 22 11	9 5 42
	NOV.	23 16 33	23 6 9
	DEC.	23 5 17	22 23 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 524. G.F. March. *d. h. m.* 18 20 5	JAN.	21 18 2	21 18 3
	FEB.	20 6 46	20 12 34
	MAR.	20 19 30	21 5 37
	APRIL	19 8 14	19 20 15
	○	4 2 36	3 19 40
	MAY	18 20 58	19 8 10
	JUNE	17 9 42	17 17 47
	JULY	16 22 26	17 1 58
	AUG.	15 11 10	15 9 45
	SEPT.	13 23 54	13 18 7
	OCT.	13 12 33	13 3 48
	○	28 7 0	28 12 4
	NOV.	12 1 22	11 15 14
	DEC.	11 14 6	11 4 39
525. E.	JAN.	10 2 50	9 19 55
	FEB.	8 15 34	8 12 33
19 1 54	MAR.	10 4 18	10 5 47
	APRIL	8 17 2	8 22 36
	○	23 11 24	23 10 37
	MAY	8 5 46	8 14 4
	JUNE	6 18 30	7 3 35
	JULY	6 7 14	6 15 7
	AUG.	4 19 58	5 1 9
	SEPT.	3 8 42	3 10 27
	OCT.	2 21 26	2 19 49
	○	17 15 43	17 12 18
	NOV.	1 10 10	1 5 52
		30 22 54	30 16 50
	DEC.	30 11 38	30 4 51
526. D.	JAN.	29 0 23	28 17 56
	FEB.	27 13 7	27 8 5
19 7 43	MAR.	29 1 51	28 23 10
	APRIL	27 14 35	27 14 49
	MAY	27 3 19	27 6 24
	JUNE	25 16 3	25 21 15
	JULY	25 4 47	25 10 55
	AUG.	23 17 31	23 23 18
	SEPT.	22 6 15	22 10 43
	OCT.	21 18 59	21 21 39
	NOV.	20 7 43	20 8 27
	DEC.	19 20 27	19 19 19.

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 527. C.		*d. h. m.*	*d. h. m.*
	JAN. .	18 9 12	18 6 14
	FEB. .	16 21 56	16 17 20
March. *d. h. m.* 19 13 32	○	8 16 18	4 6 14
	MAR. .	18 10 40	18 4 58
	APRIL	16 23 24	16 17 32
	MAY .	16 12 8	16 7 18
	JUNE .	15 0 52	14 22 10
	JULY .	14 13 36	14 13 42
	AUG. .	13 2 20	13 5 12
	○	27 20 42	27 9 11
	SEPT. .	11 15 4	11 20 5
	OCT. .	11 8 48	11 10 2
	NOV. .	9 16 32	9 22 58
	DEC. .	9 5 16	9 10 56
528. B.A.	JAN. .	7 18 0	7 21 57
	FEB. .	6 6 44	6 8 8
	○	21 1 6	21 10 0
18 19 21	MAR. .	6 19 28	6 17 42
	APRIL	5 8 12	5 3 12
	MAY .	4 20 56	4 13 21
	JUNE .	3 9 40	3 0 58
	JULY .	2 22 24	2 14 28
	AUG. ○	1 11 8	1 5 50
		16 5 30	16 1 15
		30 23 52	30 22 29
	SEPT. .	29 12 36	29 15 30
	OCT. .	29 1 20	29 7 58
	NOV. .	27 14 4	27 23 8
	DEC. .	27 2 48	27 12 33
529. G.	JAN. .	25 15 33	26 0 8
	○	9 9 55	9 9 37
	FEB. .	24 4 17	24 9 58
19 1 10	MAR. .	25 17 1	25 18 31
	APRIL	24 5 45	24 2 28
	MAY .	23 18 29	23 10 44
	JUNE .	22 7 13	21 20 21
	JULY .	21 19 57	21 8 13
	○	5 14 19	5 17 42
	AUG. .	20 8 41	19 22 45
	SEPT. .	18 21 25	18 15 36
	OCT. .	18 10 9	18 9 56
	NOV. .	16 22 53	17 4 24
	DEC. .	16 11 37	16 21 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 530. F.		*d. h. m.*	*d. h. m.*
	JAN. .	15 0 22	15 12 44
	FEB. .	13 13 6	14 1 11
March. *d. h. m.* 19 6 58	MAR. .	15 1 50	15 11 10
	APRIL	13 14 34	13 19 17
	MAY .	13 3 18	13 2 22
	JUNE .	11 16 2	11 9 27
	JULY .	11 4 46	10 17 39
	AUG. .	9 17 30	9 4 0
	SEPT. .	8 6 14	7 17 15
	OCT. .	7 18 58	7 9 30
	NOV. .	6 7 42	6 4 4
	DEC. .	5 20 26	5 23 34
	○	20 14 48	20 11 2
531. E.	JAN. .	4 9 10	4 18 19
	FEB. .	2 21 54	3 10 54
19 12 47	MAR. .	4 10 38	5 0 32
	APRIL	2 23 22	3 11 12
	MAY .	2 12 6	2 19 31
	JUNE .	1 0 50	1 2 28
		15 19 12	15 19 45
	○	30 13 34	30 9 6
	JULY .	30 2 18	29 16 35
	AUG. .	28 15 2	28 1 55
	SEPT. .	27 3 46	26 13 55
	OCT. .	26 16 30	26 5 0
	NOV. .	25 5 14	24 22 43
	○	9 23 36	10 2 44
	DEC. .	24 17 58	24 18 2
532. D.C.	JAN. .	23 6 43	23 13 17
	FEB. .	21 19 27	22 6 54
18 18 36	MAR. .	22 8 11	22 21 45
	APRIL	20 20 55	21 9 35
	MAY .	20 9 39	20 18 50
	○	4 4 1	3 21 2
	JUNE .	18 22 23	19 2 21
	JULY .	18 11 7	18 9 20
	AUG. .	16 23 51	16 16 49
	SEPT. .	15 12 35	15 1 44
	OCT. .	15 1 19	14 12 50
	NOV. .	13 14 3	13 2 31
	○	28 8 25	28 16 42
	DEC. .	13 2 47	12 18 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 533.		d. h. m.	d. h. m.
B. March. d. h. m. 19 0 25	JAN.	11 15 31	11 12 37
	FEB.	10 4 15	10 7 10
	MAR.	11 17 0	12 0 56
	APRIL	10 5 44	10 16 46
	MAY	9 18 28	10 6 1
	JUNE	8 7 12	8 16 46
	JULY	7 19 56	8 1 40
	AUG.	6 8 40	6 9 41
	SEPT.	4 21 24	4 17 58
	OCT.	4 10 8	4 3 0
	NOV.	2 22 52	2 13 37
	DEC.	2 11 36	2 2 3
		...	31 16 17
534. A. 19 6 14	JAN.	1 0 20	...
		30 13 4	30 8 2
	FEB.	...	...
	MAR.	1 1 48	1 0 50
		30 14 32	30 17 45
	○ APRIL	14 8 54	14 10 46
		29 3 16	29 9 52
	MAY	28 16 0	29 0 25
	JUNE	27 4 44	27 13 3
	JULY	26 17 28	26 23 57
	AUG.	25 6 12	25 9 45
	SEPT.	23 18 56	23 19 14
	○ OCT.	8 13 18	8 6 48
		23 7 40	23 5 6
	NOV.	21 20 24	21 15 41
	DEC.	21 9 8	21 3 7
535. G. 19 12 3	JAN.	19 21 52	19 15 30
	FEB.	18 10 36	18 4 50
	MAR.	19 23 21	19 19 10
	○ APRIL	3 17 43	4 3 30
		18 12 5	18 10 20
	MAY	18 0 49	18 1 54
	JUNE	16 18 33	16 17 13
	JULY	16 2 17	16 7 39
	AUG.	14 15 1	14 20 54
	SEPT.	13 3 45	13 9 3
	○	27 22 7	27 8 53
	OCT.	12 16 29	12 20 26
	NOV.	11 5 13	11 7 28
	DEC.	10 17 57	10 18 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 536.		d. h. m.	d. h. m.
F.E. March. d. h. m. 18 17 51	JAN.	9 6 42	9 5 11
	FEB.	7 19 26	7 15 59
	MAR.	8 8 10	8 3 1
	○	23 2 32	23 16 24
	APRIL	6 20 54	6 14 45
	MAY	6 9 33	6 3 39
	JUNE	4 22 22	4 17 53
	JULY	4 11 6	4 9 9
	AUG.	2 23 50	3 0 53
	SEPT.	1 12 34	1 16 24
	○	16 6 56	15 18 15
	OCT.	1 1 18	1 7 9
		30 14 2	30 20 52
	NOV.	29 2 46	29 9 28
	DEC.	28 15 30	28 21 0
537. D. 18 23 40	JAN.	27 4 14	27 7 30
	FEB.	25 16 58	25 17 8
	MAR.	27 5 42	27 2 19
	APRIL	25 18 26	25 11 48
	MAY	25 7 10	24 22 23
	JUNE	23 19 54	23 10 48
	JULY	23 8 38	23 1 17
	AUG.	21 21 22	21 17 31
	SEPT.	20 10 6	20 10 41
	OCT.	19 22 50	20 3 49
	NOV.	18 11 34	18 19 57
	DEC.	18 0 18	18 10 25
538. C. 19 5 29	JAN.	16 13 3	16 22 55
	○	31 7 25	31 4 34
	FEB.	15 1 47	15 9 29
	MAR.	16 14 31	16 18 26
	APRIL	15 3 15	15 2 23
	MAY	14 15 59	14 10 11
	JUNE	13 4 43	12 18 51
	JULY	12 17 27	12 5 28
	○	27 11 49	27 17 5
	AUG.	11 6 11	10 18 39
	SEPT.	9 18 55	9 10 30
	OCT.	9 7 39	9 4 25
	NOV.	7 20 23	7 23 12
	DEC.	7 9 7	7 17 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 539. B.		d. h. m.	d. h. m.
	JAN.	5 21 51	6 9 43
	○	20 16 18	20 9 19
March. d. h. m. 19 11 17	FEB.	4 10 35	4 23 27
	MAR.	5 23 19	6 10 31
	APRIL	4 12 3	4 19 20
	MAY	4 0 47	4 2 41
	JUNE	2 13 31	2 9 31
	JULY ○	2 2 15	1 16 59
		16 20 37	17 3 25
		31 14 59	31 2 9
	AUG.	30 3 43	29 13 57
	SEPT.	28 16 27	28 4 48
	OCT.	28 5 11	27 22 27
	NOV.	26 17 55	26 17 46
	DEC.	26 6 39	26 13 9
540. A.G.	○	10 1 2	9 21 6
	JAN.	24 19 24	25 6 58
	FEB.	23 8 8	23 22 3
18 17 6	MAR.	23 20 52	24 10 4
	APRIL	22 9 36	22 19 23
	MAY	21 22 20	22 2 49
	JUNE	20 11 4	20 9 28
	JULY	19 23 48	19 16 27
	AUG.	18 12 32	18 0 49
	SEPT.	17 1 16	16 11 31
	OCT.	16 14 0	16 1 6
	NOV.	15 2 44	14 17 38
	DEC.	14 15 28	14 12 18
541. F.	JAN.	13 4 13	13 7 41
	FEB.	11 16 57	12 2 12
18 22 55	MAR.	13 5 41	13 18 25
	APRIL	11 18 25	12 7 42
	MAY	11 7 9	11 18 7
	○	26 1 31	25 17 40
	JUNE	9 19 53	10 2 24
	JULY	9 8 37	9 9 37
	AUG.	7 21 21	7 16 50
	SEPT.	6 10 5	6 1 5
	OCT.	5 22 49	5 11 10
	NOV.	4 11 33	3 23 35
	○	19 5 55	19 14 16
	DEC.	4 0 17	3 14 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 542. E.		d. h. m.	d. h. m.
March. d. h. m. 19 4 44	JAN.	2 13 1	2 7 32
	FEB.	1 1 45	1 1 45
	MAR.	2 14 29	2 19 52
	APRIL	1 3 13	1 12 39
		30 15 57	1 3 10
	○	15 10 19	15 2 54
	MAY	30 4 41	30 15 10
	JUNE	28 17 25	29 0 59
	JULY	28 6 9	28 9 30
	AUG.	26 18 53	26 17 41
	SEPT.	25 7 37	25 2 27
	OCT.	24 20 21	24 12 25
	○	8 14 43	8 20 6
	NOV.	23 9 5	22 23 58
	DEC.	22 21 49	22 13 13
543. D.	JAN.	21 10 34	21 4 5
	FEB.	19 23 18	19 20 11
19 10 33	MAR.	21 12 2	21 12 52
	APRIL	20 0 46	20 5 19
	○	4 19 8	4 18 12
	MAY	19 13 30	19 20 42
	JUNE	18 2 14	18 10 21
	JULY	17 14 58	17 22 15
	AUG.	16 3 42	16 8 45
	SEPT.	14 16 26	14 18 34
	OCT.	14 5 10	14 4 24
	○	28 23 32	28 20 2
	NOV.	12 17 54	12 14 43
	DEC.	12 6 38	12 1 45
544. C.B.	JAN.	10 19 22	10 13 21
	FEB.	9 8 6	9 2 8
18 16 22	MAR.	9 20 51	9 15 41
	APRIL	8 9 35	8 6 10
	MAY	7 22 19	7 21 24
	JUNE	6 11 3	6 12 52
	JULY	5 23 47	6 3 53
	AUG.	4 12 31	4 17 57
	SEPT.	3 1 15	3 6 55
	OCT.	2 13 59	2 18 56
	NOV.	1 2 43	1 6 21
		30 15 27	30 17 24
	DEC.	30 4 11	30 4 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 545. A.	JAN. .	28 16 55	28 14 52
March. d. h. m.	FEB. .	27 5 39	27 1 30
	○	14 0 1	14 13 51
18 22 10	MAR. .	28 18 23	28 12 32
	APRIL	27 7 7	27 0 32
	MAY .	26 19 51	26 13 54
	JUNE .	25 8 35	25 4 38
	JULY .	24 21 19	24 20 19
	AUG. .	23 10 3	23 12 14
	○	7 4 25	6 17 13
	SEPT. .	21 22 47	22 3 43
	OCT. .	21 11 31	21 18 16
	NOV. .	20 0 15	20 7 38
	DEC. .	19 12 59	19 19 49
546. G.	JAN. .	18 1 44	18 6 46
	FEB. .	16 14 28	16 16 39
	○	3 8 50	3 17 26
19 3 59	MAR. .	18 3 12	18 1 45
	APRIL	16 15 56	16 10 44
	MAY .	16 4 40	15 20 27
	JUNE .	14 17 24	14 7 45
	JULY .	14 6 8	13 21 9
	AUG. .	12 18 52	12 12 38
	○	27 13 14	27 9 15
	SEPT. .	11 7 36	11 5 38
	OCT. .	10 20 20	10 23 10
	NOV. .	9 9 4	9 16 10
	DEC. .	8 21 48	9 7 42
547. F.	JAN. .	7 10 33	7 21 16
	FEB. .	5 23 17	6 8 42
	○	20 17 39	20 17 8
19 9 48	MAR. .	7 12 1	7 18 14
	APRIL	6 0 45	6 2 25
	MAY .	5 13 29	5 9 59
	JUNE .	4 2 13	3 17 57
	JULY .	3 14 57	3 3 25
	AUG. ○	2 3 41	1 15 13
		16 22 3	17 1 26
		31 16 25	31 5 51
	SEPT. .	30 5 9	29 22 59
	OCT. .	29 17 53	29 17 42
	NOV. .	28 6 37	28 12 30
	DEC. .	27 19 21	28 6 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 548. E.D.	JAN. .	26 8 5	26 21 5
March. d. h. m.	FEB. .	24 20 49	25 9 23
18 15 37	MAR. .	25 9 33	25 19 8
	APRIL	23 22 17	24 2 58
	MAY .	23 11 1	23 9 50
	JUNE .	21 23 45	21 16 48
	JULY .	21 12 29	21 0 59
	AUG. .	20 1 13	19 11 25
	SEPT. .	18 13 57	18 0 48
	OCT. .	18 2 41	17 17 13
	NOV. .	16 15 25	16 11 57
	DEC. .	16 4 9	16 7 33
	○	30 22 31	30 19 56
549. C.	JAN. .	14 16 53	15 2 18
	FEB. .	13 5 38	13 18 50
18 21 26	MAR. .	14 18 22	15 8 18
	APRIL	13 7 6	13 18 48
	MAY .	12 19 50	13 3 0
	JUNE .	11 8 34	11 9 54
	○	26 2 56	26 2 13
	JULY .	10 21 18	10 16 38
	AUG. .	9 10 2	9 0 15
	SEPT. .	7 22 46	7 9 47
	OCT. .	7 11 30	6 21 58
	NOV. .	6 0 14	5 13 7
	DEC. .	5 12 58	5 6 49
	○	20 7 20	20 11 42
550. B.	JAN. .	4 1 42	4 1 56
	FEB. .	2 14 26	2 20 58
19 3 15	MAR. .	4 3 10	4 14 20
	APRIL	2 15 54	3 5 3
	MAY .	2 4 38	2 16 49
		31 17 22	1 2 5
	○	15 11 44	15 3 38
	JUNE .	30 6 6	30 9 46
	JULY .	29 18 50	29 16 59
	AUG. .	28 7 34	28 0 46
	SEPT. .	26 20 18	26 9 59
	OCT. .	26 9 2	25 21 17
	NOV. .	24 21 46	24 10 58
	○	9 16 8	10 1 24
	DEC. .	24 10 30	24 2 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 551.		d. h. m.	d. h. m.
A. March. d. h. m. 19 9 8	JAN.	22 23 15	22 20 29
	FEB.	21 11 59	21 14 36
	MAR.	23 0 43	23 8 1
	APRIL	21 13 27	21 23 40
	MAY	21 2 11	21 12 55
	JUNE	19 14 55	19 23 50
	JULY	19 3 39	19 9 3
	AUG.	17 16 23	17 17 30
	SEPT.	16 5 7	16 2 5
	OCT.	15 17 51	15 11 33
	NOV.	14 6 35	13 22 22
	DEC.	13 19 19	13 10 44
552. G.F. 18 14 52	JAN.	12 8 4	12 0 39
	FEB.	10 20 48	10 15 55
	MAR.	11 9 32	11 8 7
	APRIL	9 22 16	10 0 35
	○	24 16 38	24 18 26
	MAY	9 11 0	9 16 29
	JUNE	7 23 44	8 7 4
	JULY	7 12 28	7 19 58
	AUG.	6 1 12	6 7 19
	SEPT.	4 13 56	4 17 40
	OCT.	4 2 40	4 3 40
	○	18 21 2	18 14 26
	NOV.	2 15 24	2 13 53
	DEC.	2 4 8	2 0 37
		31 16 52	31 11 57
553. E. 18 20 41	JAN.	30 5 36	29 23 55
	FEB.	28 18 20	28 12 40
	MAR.	30 7 4	30 2 24
	○	14 1 26	14 11 11
	APRIL	28 19 48	28 17 4
	MAY	28 8 32	28 8 22
	JUNE	26 21 16	26 23 41
	JULY	26 10 0	26 14 28
	AUG.	24 22 44	25 4 15
	SEPT.	23 11 28	23 17 0
	○	8 5 50	7 16 45
	OCT.	28 0 12	28 4 57
	NOV.	21 12 56	21 16 20
	DEC.	21 1 40	21 3 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 554.		d. h. m.	d. h. m.
D. March. d. h. m. 19 2 30	JAN.	19 14 25	19 13 58
	FEB.	18 3 9	18 0 20
	MAR.	19 15 53	19 10 49
	○	3 10 15	3 23 52
	APRIL	18 4 37	17 21 59
	MAY	17 17 21	17 10 25
	JUNE	16 6 5	16 0 22
	JULY	15 18 49	15 15 40
	AUG.	14 7 33	14 7 43
	SEPT.	12 20 17	12 23 47
	○	27 14 39	27 2 24
	OCT.	12 9 1	12 15 8
	NOV.	10 21 45	11 5 23
	DEC.	10 10 29	10 18 18
555. C. 18 8 19	JAN.	8 23 14	9 5 52
	FEB.	7 11 58	7 16 7
	MAR.	9 0 42	9 1 21
	APRIL	7 13 26	7 10 4
	MAY	7 2 10	6 19 5
	JUNE	5 14 54	5 5 18
	JULY	5 3 38	4 17 32
	AUG.	3 16 22	3 8 2
	SEPT.	2 5 6	2 0 32
	OCT.	1 17 50	1 18 11
		31 6 34	31 11 49
	NOV.	29 19 18	30 4 22
	DEC.	29 8 2	29 19 3
556. B.A. 18 14 8	JAN.	27 20 46	28 7 31
	○	11 15 8	11 12 15
	FEB.	26 9 30	26 17 49
	MAR.	26 22 14	27 2 25
	APRIL	25 10 58	25 10 0
	MAY	24 23 42	24 17 30
	JUNE	23 12 26	23 1 59
	JULY	23 1 10	22 12 30
	○	6 19 32	7 0 37
	AUG.	21 13 54	21 1 45
	SEPT.	20 2 38	19 17 49
	OCT.	19 15 22	19 12 3
	NOV.	18 4 6	18 7 9
	DEC.	17 16 50	18 1 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 557. G.		d. h. m.	d. h. m.
March. d. h. m. 18 19 56	JAN. .	16 5 35	16 18 1
	○	30 23 57	30 17 34
	FEB. .	14 18 19	15 7 40
	MAR. .	16 7 8	16 18 32
	APRIL	14 19 47	15 8 5
	MAY .	14 8 31	14 10 12
	JUNE .	12 21 15	12 16 56
	JULY .	12 9 59	12 0 22
	○	27 4 21	27 10 25
	AUG. .	10 22 43	10 9 36
	SEPT. .	9 11 27	8 21 31
	OCT. .	9 0 11	8 12 33
	NOV. .	7 12 55	7 6 20
	DEC. .	7 1 39	7 1 44
558. F.	JAN. .	5 14 23	5 21 7
	○	20 8 45	20 5 49
	FEB. .	4 3 7	4 14 51
19 1 45	MAR. .	5 15 52	6 5 50
	APRIL	4 4 36	4 17 41
	MAY .	3 17 20	4 2 52
	JUNE .	2 6 4	2 10 16
	JULY ○	1 18 48	1 16 58
		16 13 10	16 13 16
		31 7 32	31 0 6
	AUG. .	29 20 16	29 8 40
	SEPT. .	28 9 0	27 19 33
	OCT. .	27 21 44	27 9 17
	NOV. .	26 10 28	26 1 46
	DEC. .	25 23 12	25 20 17
559. E.	JAN. .	24 11 56	24 15 26
	FEB. .	23 0 40	23 9 41
19 7 34	MAR. .	24 13 24	25 1 43
	APRIL	23 2 8	23 14 54
	MAY .	22 14 52	23 1 19
	JUNE .	21 3 36	21 9 44
	JULY .	20 16 20	20 17 10
	AUG. .	19 5 4	19 0 41
	SEPT. .	17 17 48	17 9 16
	OCT. .	17 6 32	16 19 35
	NOV. .	15 19 16	15 8 6
	○	30 13 38	30 22 50
	DEC. .	15 8 0	14 22 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 560. D.C.		d. h. m.	d. h. m.
March. d. h. m. 18 13 23	JAN. .	13 20 45	13 15 35
	FEB. .	12 9 29	12 9 21
	MAR. .	12 22 13	13 3 3
	APRIL	11 10 57	11 19 33
	MAY .	10 23 41	11 9 59
	○	25 18 3	25 10 8
	JUNE .	9 12 25	9 22 7
	JULY .	9 1 9	9 8 14
	AUG. .	7 13 53	7 17 9
	SEPT. .	6 2 37	6 1 46
	OCT. .	5 15 21	5 10 55
	NOV. .	4 4 5	3 21 11
	○	18 22 27	19 4 11
	DEC. .	3 16 49	3 8 46
561. B.	JAN. .	2 5 34	1 21 49
		31 18 18	31 12 11
	FEB. .	...	...
18 19 12	MAR. .	2 7 2	2 3 41
		31 19 46	31 19 52
	APRIL	30 8 30	30 11 58
	○	15 2 52	15 1 44
	MAY .	29 21 14	30 3 15
	JUNE .	28 9 58	28 17 7
	JULY .	27 22 42	28 5 25
	AUG. .	26 11 26	26 16 27
	SEPT. .	25 0 10	25 2 48
	OCT. .	24 12 54	24 13 5
	○	8 7 16	8 3 52
	NOV. .	23 1 33	22 23 40
	DEC. .	22 14 22	22 10 41
562. A.	JAN. .	21 3 6	20 22 9
	FEB. .	19 15 50	19 10 13
19 1 1	MAR. .	21 4 34	20 23 8
	APRIL	19 17 18	19 13 4
	MAY .	19 6 2	19 3 55
	JUNE .	17 18 46	17 19 17
	JULY .	17 7 30	17 10 31
	AUG. .	15 20 14	16 1 3
	SEPT. .	14 8 58	14 14 33
	OCT. .	13 21 42	14 3 14
	NOV. .	12 10 26	12 15 6
	DEC. .	11 23 10	12 2 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 563. G. March. d. h. m. 19 6 49	JAN.	10 11 55	10 13 8
	FEB.	9 0 39	8 23 25
	MAR.	10 13 23	10 9 32
	○	25 7 45	25 21 19
	APRIL	9 2 7	8 20 0
	MAY	8 14 51	8 7 29
	JUNE	7 3 35	6 20 30
	JULY	6 16 19	6 11 8
	AUG.	5 5 3	5 3 1
	SEPT.	3 17 47	3 19 23
	○	18 12 9	18 1 15
	OCT.	3 6 31	3 11 28
	NOV.	1 19 15	2 2 35
	DEC.	1 7 59	1 16 22
		30 20 43	31 4 40
564. F.E. 18 12 38	JAN.	29 9 27	29 15 29
	FEB.	27 22 11	28 1 0
	○	13 16 33	14 0 39
	MAR.	28 10 56	28 9 40
	APRIL	26 23 40	26 18 12
	MAY	26 12 24	26 3 32
	JUNE	25 1 8	24 14 33
	JULY	24 13 52	24 3 54
	AUG.	23 2 36	22 19 33
	○	6 20 58	6 17 20
	SEPT.	21 15 20	21 12 57
	OCT.	21 4 4	21 6 58
	NOV.	19 16 48	20 0 24
	DEC.	19 5 32	19 16 15
565. D. 18 18 27	JAN.	17 18 16	18 5 51
	FEB.	16 7 0	16 17 7
	○	3 1 22	3 0 31
	MAR.	17 19 44	18 2 20
	APRIL	16 8 28	16 10 10
	MAY	15 21 12	15 17 25
	JUNE	14 9 56	14 1 10
	JULY	13 22 40	13 10 31
	AUG.	12 11 24	11 22 21
	○	27 5 46	27 9 13
	SEPT.	11 0 8	10 13 8
	OCT.	10 12 52	10 6 32
	NOV.	9 1 36	9 1 32
	DEC.	8 14 20	8 20 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 566. C. March. d. h. m. 19 0 16	JAN.	7 3 5	7 14 13
	FEB.	5 15 49	6 5 18
	MAR.	7 4 33	7 17 26
	APRIL	5 17 17	6 2 56
	MAY	5 6 1	5 10 33
	JUNE	3 18 45	3 17 17
	JULY	3 7 29	3 0 12
	AUG.	1 20 13	1 8 27
		31 8 57	30 19 0
	SEPT.	29 21 41	29 8 32
	OCT.	29 10 25	29 1 6
	NOV.	27 23 9	27 19 55
	DEC.	27 11 53	27 15 31
567. B. 19 6 5	○	11 6 15	11 6 47
	JAN.	26 0 37	26 10 12
	FEB.	24 13 21	25 2 35
	MAR.	26 2 5	26 15 54
	APRIL	24 14 49	25 2 16
	MAY	24 3 33	24 10 24
	JUNE	22 16 17	22 17 20
	○	7 10 39	7 8 41
	JULY	22 5 1	22 0 13
	AUG.	20 17 45	20 8 2
	SEPT.	19 6 29	18 17 47
	OCT.	18 19 18	18 6 9
	NOV.	17 7 57	16 21 19
	DEC.	16 20 41	16 14 53
	○	31 15 3	31 20 37
568. A.G. 18 11 54	JAN.	15 9 26	15 9 48
	FEB.	13 22 10	14 4 32
	MAR.	14 10 54	14 21 40
	APRIL	12 23 38	13 12 14
	MAY	12 12 22	12 23 58
	JUNE	11 1 6	11 9 20
	○	25 19 28	25 10 18
	JULY	10 13 50	10 17 12
	AUG.	9 2 34	9 0 45
	SEPT.	7 15 18	7 8 52
	OCT.	7 4 2	6 18 23
	NOV.	5 16 46	5 5 52
	DEC.	5 5 30	4 19 30
	○	19 23 52	20 10 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 569.			
F.	JAN. .	3 18 15	3 11 10
March.	FEB. .	2 6 59	2 4 16
d. h. m.	MAR. .	3 19 43	3 21 55
18 17 42	APRIL	2 8 27	2 14 59
	MAY .	1 21 11	2 6 27
		31 9 55	31 19 45
	○	15 4 17	14 18 16
	JUNE .	29 22 39	30 6 56
	JULY .	29 11 23	29 16 31
	AUG. .	28 0 7	28 1 23
	SEPT. .	26 12 51	26 10 26
	OCT. .	26 1 35	25 20 16
	NOV. .	24 14 19	24 7 14
	DEC. .	24 3 3	23 19 28
570.	JAN. .	22 15 47	22 8 58
E.	FEB. .	21 4 31	20 23 40
18 23 31	MAR. .	22 17 15	22 15 18
	APRIL	21 5 59	21 7 18
	○	6 0 21	6 2 3
	MAY .	20 18 43	20 23 0
	JUNE .	19 7 27	19 13 40
	JULY .	18 20 11	19 2 55
	AUG. .	17 8 55	17 14 46
	SEPT. .	15 21 39	16 1 41
	OCT. .	15 10 23	15 12 11
	○	30 4 45	29 22 13
	NOV. .	13 23 7	13 22 45
	DEC. .	13 11 51	13 9 35
571.	JAN. .	12 0 36	11 20 44
D.	FEB. .	10 13 20	10 8 14
19 5 20	MAR. .	12 2 4	11 20 24
	APRIL	10 14 48	10 9 31
	○	25 9 10	25 18 47
	MAY .	10 3 32	9 23 43
	JUNE .	8 16 16	8 14 48
	JULY .	8 5 0	8 6 13
	AUG. .	6 17 44	6 21 22
	SEPT. .	5 6 28	5 11 44
	OCT. .	4 19 12	5 1 6
	○	19 13 34	19 0 47
	NOV. .	3 7 56	3 13 34
	DEC. .	2 20 40	3 1 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 572.			
C.B.	JAN. .	1 9 24	1 12 17
		30 22 8	30 22 39
March.	FEB. .	29 10 53	29 8 34
d. h. m.	MAR. .	29 23 37	29 18 31
18 11 9	○	13 17 59	14 7 11
	APRIL	28 12 21	28 5 9
	MAY .	28 1 5	27 17 10
	JUNE .	26 13 49	26 6 56
	JULY .	26 2 33	25 22 18
	AUG. .	24 15 17	24 14 42
	SEPT. .	23 4 1	23 7 17
	○	7 22 23	7 10 45
	OCT. .	22 16 45	22 23 14
	NOV. .	21 5 29	21 13 57
	DEC. .	20 18 13	21 3 7
573.	JAN. .	19 6 57	19 14 38
A.	FEB. .	17 19 41	18 0 36
18 16 58	MAR. .	19 8 25	19 9 25
	APRIL	17 21 9	17 17 42
	MAY .	17 9 53	17 2 18
	JUNE .	15 22 37	15 12 14
	JULY .	15 11 21	15 0 19
	AUG. .	14 0 5	13 14 55
	SEPT. .	12 12 49	12 7 42
	OCT. .	12 1 33	12 1 44
	NOV. .	10 14 17	10 19 51
	DEC. .	10 3 1	10 12 46
574.	JAN. .	8 15 46	9 3 37
G.	FEB. .	7 4 30	7 15 59
	○	21 22 52	21 19 52
18 22 47	MAR. .	8 17 14	9 2 2
	APRIL	7 5 58	7 10 18
	MAY .	6 18 42	6 17 35
	JUNE .	5 7 26	5 0 50
	JULY .	4 20 10	4 9 12
	AUG. .	3 8 54	2 19 41
	○	18 3 16	18 8 13
	SEPT. .	1 21 38	1 9 2
	OCT. .	1 10 22	1 1 18
		30 23 6	30 19 48
	NOV. .	29 11 50	29 15 9
	DEC. .	29 0 34	29 9 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 575. F. March. *d. h. m.* 19 4 35	JAN. .	27 13 18	28 2 11
	○	11 7 40	11 1 44
	FEB. .	26 2 2	26 15 48
	MAR. .	27 14 47	28 2 28
	APRIL	26 3 31	26 10 44
	MAY .	25 16 15	25 17 42
	JUNE .	24 4 59	24 0 22
	JULY .	23 17 48	23 7 51
	○	7 12 5	7 17 30
	AUG. .	22 6 27	21 17 11
	SEPT. .	20 19 11	20 5 16
	OCT. .	20 7 55	19 20 26
	NOV. .	18 20 39	18 14 17
	DEC. .	18 9 23	18 9 41
576. E.D. 18 10 24	JAN. .	16 22 7	17 5 1
	○	31 16 29	31 14 26
	FEB. .	15 10 51	15 22 37
	MAR. .	15 23 35	16 13 25
	APRIL	14 12 19	15 1 9
	MAY .	14 1 8	14 10 16
	JUNE .	12 13 47	12 17 40
	JULY .	12 2 31	12 0 29
	○	26 20 53	26 19 54
	AUG. .	10 15 15	10 7 49
	SEPT. .	9 3 59	8 16 38
	OCT. .	8 16 43	8 3 44
	NOV. .	7 5 27	6 17 33
	DEC. .	6 18 11	6 9 57
577. C. 18 16 13	JAN. .	5 6 56	5 4 15
	FEB. .	3 19 40	3 23 6
	MAR. .	5 8 24	5 17 3
	APRIL	3 21 8	4 8 52
	MAY .	3 9 52	3 21 58
	JUNE .	1 22 36	2 8 29
	JULY .	1 11 20	1 17 4
		31 0 4	31 0 47
	AUG. .	29 12 48	29 8 41
	SEPT. .	28 1 32	27 17 37
	OCT. .	27 14 16	27 4 11
	NOV. .	26 3 0	25 16 43
	○	10 21 22	11 7 24
	DEC. .	25 15 44	25 7 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 578. B. March. *d. h. m.* 18 22 2	JAN. .	24 4 28	23 23 34
	FEB. .	22 17 12	22 16 50
	MAR. .	24 5 56	24 10 5
	APRIL	22 18 40	23 2 19
	MAY .	22 7 24	22 16 44
	○	6 1 46	5 16 59
	JUNE .	20 20 8	21 5 2
	JULY .	20 8 52	20 15 30
	AUG. .	18 21 36	19 0 51
	SEPT. .	17 10 20	17 9 58
	OCT. .	16 23 4	16 19 32
	NOV. .	15 11 48	15 6 0
	○	30 6 10	30 12 16
	DEC. .	15 0 32	14 17 35
579. A. 19 3 51	JAN. .	13 13 16	13 6 18
	FEB. .	12 2 1	11 20 11
	MAR. .	13 14 45	13 11 5
	APRIL	12 3 29	12 2 42
	MAY .	11 16 13	11 18 30
	○	26 10 35	26 9 11
	JUNE .	10 4 57	10 9 45
	JULY .	9 17 41	9 23 52
	AUG. .	8 6 25	8 12 37
	SEPT. .	6 19 9	7 0 13
	OCT. .	6 7 53	6 11 9
	NOV. .	4 20 37	4 21 51
	○	19 14 59	19 11 45
	DEC. .	4 9 21	4 8 37
580. G.F. 18 9 40	JAN. .	2 22 6	2 19 33
	FEB. .	1 10 50	1 6 41
	MAR. .	1 23 34	1 18 12
		31 12 18	31 6 31
	APRIL	30 1 2	29 19 54
	MAY .	29 13 46	29 10 26
	JUNE .	28 2 30	28 1 45
	JULY .	27 15 14	27 17 15
	AUG. .	26 3 58	26 8 18
	SEPT. .	24 16 42	24 22 29
	OCT. .	24 5 26	24 11 39
	NOV. .	22 18 10	22 23 55
	DEC. .	22 6 54	22 11 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 581.		*d. h. m.*	*d. h. m.*
E.	JAN.	20 19 38	20 21 55
March.	FEB.	19 8 22	19 7 50
d. h. m.	MAR.	20 21 6	20 17 25
18 15 28	○	4 15 28	5 4 35
	APRIL	19 9 50	19 3 22
	MAY	18 22 34	18 14 24
	JUNE	17 11 18	17 3 7
	JULY	17 0 2	16 17 44
	AUG.	15 12 46	15 9 50
	SEPT.	14 1 30	14 2 40
	○	28 19 52	28 9 32
	OCT.	13 14 14	13 19 18
	NOV.	12 2 58	12 10 57
	DEC.	11 15 42	12 1 5
582.	JAN.	10 4 26	10 13 26
D.	FEB.	8 17 11	9 0 4
18 21 17	MAR.	10 5 55	10 9 14
	○	25 0 17	25 7 39
	APRIL	8 18 39	8 17 28
	MAY	8 7 23	8 1 35
	JUNE	6 20 7	6 10 35
	JULY	6 8 51	5 21 26
	AUG.	4 21 35	4 10 46
	SEPT.	3 10 19	3 2 37
	○	18 4 41	18 1 34
	OCT.	2 23 3	2 20 22
	NOV.	1 11 47	1 14 49
	DEC.	1 0 31	1 8 39
		30 13 15	31 0 42
583.	JAN.	29 2 0	29 14 19
C.	FEB.	27 14 44	28 1 23
	○	14 9 6	14 7 46
19 3 6	MAR.	29 3 28	29 10 20
	APRIL	27 16 12	27 17 50
	MAY	27 4 56	27 0 50
	JUNE	25 17 40	25 8 27
	JULY	25 6 24	24 17 44
	AUG.	23 19 3	23 5 39
	○	7 13 30	7 17 10
	SEPT.	22 7 52	21 20 35
	OCT.	21 20 36	21 14 12
	NOV.	20 9 20	20 9 26
	DEC.	19 22 4	20 4 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 584.		*d. h. m.*	*d. h. m.*
B.A.	JAN.	18 10 48	18 22 21
March.	FEB.	16 23 32	17 13 21
d. h. m.	MAR.	17 12 16	18 1 18
18 8 55	APRIL	16 1 1	16 10 37
	MAY	15 13 45	15 18 5
	JUNE	14 2 29	14 0 45
	JULY	13 15 13	13 7 41
	AUG.	12 3 57	11 16 2
	SEPT.	10 16 41	10 2 45
	OCT.	10 5 25	9 16 26
	NOV.	8 18 9	8 9 5
	DEC.	8 6 53	8 3 54
585.	JAN.	6 19 37	6 23 26
G.	○	21 13 59	21 13 33
	FEB.	5 8 21	5 17 58
18 14 44	MAR.	6 21 5	7 10 11
	APRIL	5 9 49	5 23 22
	MAY	4 22 33	5 9 39
	JUNE	3 11 17	3 17 48
	JULY	3 0 1	3 0 49
	○	17 18 23	17 15 15
	AUG.	1 12 45	1 7 53
		31 1 29	30 15 58
	SEPT.	29 14 13	29 1 59
	OCT.	29 2 57	28 14 28
	NOV.	27 15 41	27 5 37
	DEC.	27 4 25	26 23 0
	○	10 22 48	11 5 23
586.	JAN.	25 17 10	25 17 35
F.	FEB.	24 5 54	24 11 58
18 20 33	MAR.	25 18 33	26 4 50
	APRIL	24 7 22	24 19 16
	MAY	23 20 6	24 7 2
	JUNE	22 8 50	22 16 34
	○	7 3 12	6 17 1
	JULY	21 21 34	22 0 44
	AUG.	20 10 18	20 8 37
	SEPT.	18 23 2	18 17 7
	OCT.	18 11 46	18 2 57
	NOV.	17 0 30	16 14 32
	DEC.	16 13 14	16 4 3
	○	31 7 36	31 18 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 587.		d. h. m.	d. h. m.
E. March. d. h. m. 19 2 21	JAN.	15 1 58	14 19 21
	FEB.	13 14 42	13 11 57
	MAR.	15 8 26	15 5 5
	APRIL	13 16 10	13 21 47
	MAY	13 4 54	13 13 6
	JUNE	11 17 38	12 2 32
	○	26 12 0	26 1 23
	JULY	11 6 22	11 14 1
	AUG.	9 19 6	10 0 8
	SEPT.	8 7 50	8 9 25
	OCT.	7 20 34	7 18 55
	NOV.	6 9 18	6 5 8
	DEC.	5 22 2	5 16 7
588. D.C. 18 8 10	JAN.	4 10 47	4 4 9
	FEB.	2 23 31	2 17 13
	MAR.	3 12 15	3 7 18
	APRIL	2 0 59	1 22 20
	MAY ○	1 13 43	1 13 56
		16 8 5	16 9 34
		31 2 27	31 5 28
	JUNE	29 15 11	29 20 18
	JULY	29 3 55	29 9 56
	AUG.	27 16 39	27 22 21
	SEPT.	26 5 23	26 9 50
	OCT.	25 18 7	25 20 50
	○	9 12 29	9 6 6
	NOV.	24 6 51	24 7 42
	DEC.	23 19 35	23 18 32
589. B. 18 13 59	JAN.	22 8 20	22 5 25
	FEB.	20 21 4	20 16 28
	MAR.	22 9 48	22 4 2
	APRIL	20 22 32	20 16 33
	○	5 16 54	6 2 15
	MAY	20 11 16	20 6 20
	JUNE	18 23 59	18 21 14
	JULY	18 12 43	18 12 48
	AUG.	17 1 27	17 4 21
	SEPT.	15 14 11	15 19 18
	OCT.	15 2 55	15 9 18
	○	29 21 17	29 8 57
	NOV.	13 15 39	13 22 14
	DEC.	13 4 23	13 10 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 590.		d. h. m.	d. h. m.
A. March. d. h. m. 18 19 48	JAN.	11 17 8	11 21 9
	FEB.	10 5 52	10 7 13
	MAR.	11 18 36	11 16 40
	APRIL	10 7 20	10 2 6
	○	25 1 42	25 14 22
	MAY	9 20 4	9 12 14
	JUNE	8 8 48	7 23 53
	JULY	7 21 32	7 13 31
	AUG.	6 10 16	6 5 0
	SEPT.	4 23 0	4 21 46
	OCT.	4 11 44	4 14 54
	○	19 6 6	18 19 11
	NOV.	3 0 28	3 7 24
	DEC.	2 13 12	2 22 32
591. G. 19 1 37	JAN.	1 1 56	1 11 51
		30 14 41	30 23 17
	FEB.	...	...
	MAR.	1 3 25	1 8 58
		30 16 9	30 17 23
	APRIL	29 4 53	29 1 15
	MAY	28 17 37	28 9 31
	JUNE	27 6 21	26 19 13
	JULY	26 19 5	26 7 14
	AUG.	25 7 49	24 21 56
	SEPT.	23 20 33	23 15 0
	OCT.	23 9 17	23 9 26
	NOV.	21 22 1	22 3 56
	DEC.	21 10 45	21 21 19
592. F.E. 18 7 26	JAN.	19 23 30	20 12 3
	FEB.	18 12 14	19 0 18
	○	4 6 36	4 3 21
	MAR.	19 0 58	19 10 6
	APRIL	17 13 42	17 18 4
	MAY	17 2 26	17 1 5
	JUNE	15 15 10	15 8 10
	JULY	15 3 54	14 16 28
	AUG.	13 16 38	13 3 0
	○	28 11 0	28 15 56
	SEPT.	12 5 22	11 16 29
	OCT.	11 18 6	11 8 57
	NOV.	10 6 50	10 3 39
	DEC.	9 19 34	9 23 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 593.		d. h. m.	d. h. m.
D.	JAN. .	8 8 18	8 17 51
March.	FEB. .	6 21 2	7 10 14
d. h. m.	○	21 15 24	21 9 49
18 13 14	MAR. .	8 9 46	8 23 38
	APRIL	6 22 30	7 10 5
	MAY .	6 11 14	6 18 17
	JUNE .	4 23 58	5 1 9
	JULY .	4 12 42	4 7 49
	AUG. .	3 1 26	2 15 25
	○	17 19 48	18 0 37
	SEPT. .	1 14 10	1 0 55
	OCT. .	1 2 54	30 18 10
		30 15 38	30 4 27
	NOV. .	29 4 22	28 22 19
	DEC. .	28 17 6	28 17 38
594.	JAN. .	27 5 51	27 12 48
C.	○	11 0 13	10 22 58
	FEB. .	25 18 35	26 6 12
18 19 8	MAR. .	27 7 19	27 20 51
	APRIL	25 20 8	26 8 29
	MAY .	25 8 47	25 17 35
	JUNE .	23 21 31	24 1 4
	JULY .	23 10 15	23 8 6
	○	7 4 37	7 2 38
	AUG. .	21 22 59	21 15 42
	SEPT. .	20 11 43	20 0 48
	OCT. .	20 0 27	19 12 5
	NOV. .	18 13 11	18 1 56
	DEC. .	18 1 55	17 18 12
595.	JAN. .	16 14 39	16 12 9
B.	FEB. .	15 3 23	15 6 37
19 0 52	MAR. .	16 16 7	17 0 12
	APRIL	15 4 51	15 15 51
	MAY .	14 17 35	15 4 56
	JUNE .	13 6 19	13 15 34
	JULY .	12 19 3	13 0 26
	AUG. .	11 7 47	11 8 31
	SEPT. .	9 20 31	9 16 58
	OCT. .	9 9 15	9 2 5
	NOV. .	7 21 59	7 12 52
	DEC. .	7 10 43	7 1 23
	○	22 5 5	22 15 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 596.		d. h. m.	d. h. m.
A.G.	JAN. .	5 23 28	5 15 41
March.	FEB. .	4 12 12	4 7 28
d. h. m.	MAR. .	5 0 56	5 0 10
18 6 41	APRIL	3 13 40	3 16 58
	MAY .	3 2 24	3 8 59
	JUNE .	1 15 8	1 23 25
	○	16 9 30	16 0 33
	JULY .	1 3 52	1 11 58
		30 16 36	30 22 51
	AUG. .	29 5 20	29 8 42
	SEPT. .	27 18 4	27 18 18
	OCT. .	27 6 48	27 4 16
	NOV. .	25 19 32	25 14 55
	○	10 13 54	10 20 23
	DEC. .	25 8 16	25 2 25
597.	JAN. .	23 21 1	23 14 46
F.	FEB. .	22 9 45	22 4 4
18 12 30	MAR. .	23 22 29	23 18 20
	APRIL	22 11 13	22 9 28
	MAY .	21 23 57	22 0 59
	○	5 18 19	5 16 38
	JUNE .	20 12 41	20 16 16
	JULY .	20 1 25	20 6 41
	AUG. .	18 14 9	18 19 57
	SEPT. .	17 2 53	17 8 9
	OCT. .	16 15 37	16 19 37
	NOV. .	15 4 21	15 6 43
	○	29 22 43	29 19 43
	DEC. .	14 17 5	14 17 36
598.	JAN. .	13 5 49	13 4 23
E.	FEB. .	11 18 33	11 15 5
18 18 19	MAR. .	13 7 17	13 2 4
	APRIL	11 20 1	11 13 46
	MAY .	11 8 45	11 2 38
	JUNE .	9 21 29	9 16 55
	JULY .	9 10 13	9 8 14
	AUG. .	7 22 57	8 0 2
	SEPT. .	6 11 41	6 15 36
	OCT. .	6 0 25	6 6 24
	NOV. .	4 13 9	4 20 10
	DEC. .	4 1 53	4 8 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 599.		d. h. m.	d. h. m.
D. March. d. h. m. 19 0 7	JAN.	2 14 38	2 20 15
	FEB.	1 8 22	1 6 38
	MAR.	2 16 6	2 16 8
	APRIL ○	1 4 50	1 1 14
		15 23 12	16 11 45
		30 17 31	30 10 41
	MAY	30 6 18	29 21 18
	JUNE	28 19 2	28 9 48
	JULY	28 7 46	28 0 24
	AUG.	26 20 30	26 16 46
	SEPT.	25 9 14	25 10 4
	○	10 3 36	9 17 58
	OCT.	24 21 58	25 8 15
	NOV.	23 10 42	23 19 28
	DEC.	22 23 26	23 9 46
600. C.B. 18 5 56	JAN.	21 12 11	21 22 9
	FEB.	20 0 55	20 8 32
	MAR.	20 13 39	20 17 20
	○	4 8 1	4 14 34
	APRIL	19 2 23	19 1 10
	MAY	18 15 7	18 8 56
	JUNE	17 3 51	16 17 41
	JULY	16 16 35	16 4 24
	AUG.	15 5 19	14 17 46
	SEPT.	13 18 3	13 9 51
	○	28 12 25	28 9 58
	OCT.	13 6 47	13 3 55
	NOV.	11 19 31	11 22 46
	DEC.	11 8 15	11 16 54
601. A. 18 11 45	JAN.	9 20 59	10 9 6
	FEB.	8 9 43	8 22 39
	MAR.	9 22 27	10 9 31
	○	24 16 49	24 14 58
	APRIL	8 11 11	8 18 10
	MAY	7 23 55	8 1 23
	JUNE	6 12 39	6 8 13
	JULY	6 1 23	5 15 45
	AUG.	4 14 7	4 1 4
	SEPT.	3 2 51	2 13 5
	○	17 21 13	18 1 13
	OCT.	2 15 35	2 4 10
	NOV.	1 4 19	31 22 0
		30 17 3	30 17 23
	DEC.	30 5 47	30 12 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 602.		d. h. m.	d. h. m.
G. March. d. h. m. 18 17 34	JAN.	28 18 31	29 6 22
	FEB.	27 7 16	27 21 15
	MAR.	28 20 0	29 9 3
	APRIL	27 8 44	27 18 10
	MAY	26 21 28	27 1 31
	JUNE	25 10 12	25 8 10
	JULY	24 22 56	24 15 14
	AUG.	23 11 40	22 23 46
	SEPT.	22 0 24	21 10 39
	OCT.	21 13 8	21 0 28
	NOV.	20 1 52	19 17 10
	DEC.	19 14 36	19 11 54
603. F. 18 23 23	JAN.	18 3 21	18 7 16
	○	1 21 43	1 22 14
	FEB.	16 16 5	17 1 36
	MAR.	18 4 49	18 17 36
	APRIL	16 17 33	17 6 40
	MAY	16 6 17	16 16 56
	JUNE	14 19 1	15 1 8
	JULY	14 7 45	14 8 21
	○	29 2 7	28 21 53
	AUG.	12 20 29	12 15 40
	SEPT.	11 9 13	11 0 4
	OCT.	10 21 57	10 10 19
	NOV.	9 10 41	8 22 55
	DEC.	8 23 25	8 13 58
604. E.D. 18 5 12	JAN.	7 12 9	7 7 3
	○	22 6 31	22 14 13
	FEB.	6 0 53	6 1 13
	MAR.	6 13 37	6 19 13
	APRIL	5 2 21	5 11 48
	MAY	4 15 5	5 2 10
	JUNE	3 3 49	3 14 2
	JULY	2 16 33	2 23 47
	○	17 10 55	16 23 50
	AUG.	1 5 17	1 8 19
		30 18 1	30 16 26
	SEPT.	29 6 45	29 1 30
	OCT.	28 19 29	28 11 36
	NOV.	27 8 13	26 23 16
	DEC.	26 20 57	26 12 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 605. C.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 18 11 0	○	10 15 20	11 8 16
	JAN.	25 9 42	25 8 29
	FEB.	23 22 26	23 19 31
	MAR.	25 11 10	25 12 8
	APRIL	23 23 54	24 4 29
	MAY	23 12 38	23 19 44
	JUNE	22 1 22	22 9 18
	○	6 19 44	6 8 37
	JULY	21 14 6	21 21 10
	AUG.	20 2 50	20 7 42
	SEPT.	18 15 34	18 17 35
	OCT.	18 4 18	18 8 31
	NOV.	16 17 2	16 13 57
	DEC.	16 5 46	16 1 1
606. B. 18 16 49	JAN.	14 18 30	14 12 47
	FEB.	13 7 14	13 1 21
	MAR.	14 19 58	14 14 49
	APRIL	13 8 42	13 5 17
	MAY	12 21 26	12 20 29
	○	27 15 48	27 17 2
	JUNE	11 10 10	11 11 55
	JULY	10 22 54	11 2 55
	AUG.	9 11 38	9 17 1
	SEPT.	8 0 22	8 6 0
	OCT.	7 13 6	7 18 5
	NOV.	6 1 50	6 5 33
	○	20 20 12	20 14 4
	DEC.	5 14 34	5 16 38
607. A. 18 22 38	JAN.	4 3 19	4 3 27
	FEB.	2 16 3	2 14 2
	MAR.	4 4 47	4 0 33
	APRIL	2 17 31	2 11 31
	MAY ○	2 6 15	1 23 31
		17 0 37	17 9 38
		31 18 59	31 12 55
	JUNE	30 7 43	30 3 43
	JULY	29 20 27	29 19 28
	AUG.	28 9 11	28 11 28
	SEPT.	26 21 55	27 2 59
	OCT.	26 10 39	26 17 35
	○	10 5 1	9 17 18
	NOV.	24 23 23	25 6 58
	DEC.	24 12 7	24 19 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 608. G.F. March. *d. h. m.* 18 4 27		*d. h. m.*	*d. h. m.*
	JAN.	23 0 52	23 5 56
	FEB.	21 13 36	21 15 40
	MAR.	22 2 20	22 0 41
	APRIL	20 15 4	20 9 35
	○	5 9 26	5 21 26
	MAY	20 3 48	19 19 19
	JUNE	18 16 32	18 6 40
	JULY	18 5 16	17 20 12
	AUG.	16 18 0	16 11 51
	SEPT.	15 6 44	15 5 0
	OCT.	14 19 28	14 22 38
	○	29 13 50	29 3 47
	NOV.	13 8 12	13 15 37
	DEC.	12 20 56	13 7 6
609. E. 18 10 16	JAN.	11 9 40	11 20 32
	FEB.	9 22 24	10 7 48
	MAR.	11 11 8	11 17 10
	APRIL	9 23 52	10 1 12
	MAY	9 12 36	9 8 43
	JUNE	8 1 20	7 16 43
	JULY	7 14 4	7 2 16
	AUG.	6 2 48	5 14 16
	SEPT.	4 15 32	4 5 5
	OCT.	4 4 16	3 22 26
	NOV.	2 17 0	2 17 15
	DEC.	2 5 44	2 12 3
		31 18 28	...
610. D. 18 16 5	JAN.	...	1 5 27
		30 7 13	30 20 23
	FEB.	28 19 57	1 8 28
	○	15 14 19	15 10 41
	MAR.	30 8 41	30 18 1
	APRIL	28 21 25	29 1 42
	MAY	28 10 9	28 8 31
	JUNE	26 22 53	26 15 31
	JULY	26 11 37	25 23 50
	AUG.	25 0 21	24 10 27
	○	8 18 43	8 23 46
	SEPT.	23 13 5	23 0 4
	OCT.	23 1 49	22 16 43
	NOV.	21 14 33	21 11 33
	DEC.	21 3 17	21 7 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 611. C.		d. h. m.	d. h. m.
	JAN.	19 16 1	20 1 48
	FEB.	18 4 45	18 18 7
March. d. h. m. 18 21 58	○	4 23 7	4 17 44
	MAR.	19 17 30	20 7 22
	APRIL	18 6 14	18 17 40
	MAY	17 18 58	18 1 44
	JUNE	16 7 42	16 8 36
	JULY	15 20 26	15 15 22
	AUG.	14 9 10	13 23 7
	○	29 8 32	29 7 52
	SEPT.	12 21 54	12 8 50
	OCT.	12 10 38	11 21 14
	NOV.	10 23 22	10 12 35
	DEC.	10 12 6	10 6 23
612. B.A.	JAN.	9 0 50	9 1 32
	FEB.	7 13 34	7 20 26
	○	22 7 56	22 7 21
18 8 42	MAR.	8 2 18	8 13 28
	APRIL	6 15 2	7 4 7
	MAY	6 8 46	6 15 42
	JUNE	4 16 30	5 0 51
	JULY	4 5 14	4 8 30
	AUG.	2 17 58	2 15 47
	○	17 12 20	17 9 27
			31 23 41
	SEPT.	1 6 42	
		30 19 26	30 9 5
	OCT.	30 8 10	29 20 33
	NOV.	28 20 54	28 10 23
	DEC.	28 9 38	28 2 25
613. G.	JAN.	26 22 22	26 19 58
	FEB.	25 11 6	25 13 59
18 9 31	MAR.	26 23 51	27 7 16
	APRIL	25 12 35	25 22 44
	MAY	25 1 19	25 11 50
	JUNE	23 14 3	23 22 40
	JULY	23 2 47	23 7 52
	AUG.	21 15 31	21 16 22
	SEPT.	20 4 15	20 1 4
	OCT.	19 16 59	19 10 41
	NOV.	18 5 43	17 21 33
	DEC.	17 18 27	17 10 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 614. F.		d. h. m.	d. h. m.
	○	1 12 50	2 0 25
	JAN.	16 7 12	16 0 2
March. d. h. m. 18 15 19	FEB.	14 19 56	14 15 16
	MAR.	16 8 40	16 7 24
	APRIL	14 21 24	14 23 46
	MAY	14 10 8	14 15 34
	JUNE	12 22 52	13 6 4
	○	27 17 14	27 7 49
	JULY	12 11 36	12 18 55
	AUG.	11 0 20	11 6 16
	SEPT.	9 13 4	9 16 41
	OCT.	9 1 48	9 2 46
	NOV.	7 14 32	7 13 6
	DEC.	7 3 16	6 23 53
	○	21 21 33	22 4 29
615. E.	JAN.	5 16 0	5 11 12
	FEB.	4 4 44	3 23 8
18 21 8	MAR.	5 17 28	5 11 51
	APRIL	4 6 12	4 1 31
	MAY	3 18 56	3 16 9
	JUNE	2 7 40	2 7 26
	○	17 2 2	17 0 4
	JULY	1 20 24	1 22 45
		31 9 8	31 13 33
	AUG.	29 21 52	30 3 22
	SEPT.	28 10 36	28 16 11
	OCT.	27 23 20	28 4 10
	NOV.	26 12 4	26 15 36
	○	11 6 26	11 3 41
	DEC.	26 0 48	26 2 33
616. D.C.	JAN.	24 13 33	24 13 8
	FEB.	23 2 17	22 23 25
18 2 57	MAR.	23 15 1	23 9 48
	APRIL	22 3 45	21 20 57
	MAY	21 16 29	21 9 24
	○	5 10 51	5 17 8
	JUNE	20 5 13	19 23 24
	JULY	19 17 57	19 14 47
	AUG.	18 6 41	18 6 56
	SEPT.	16 19 25	16 23 4
	OCT.	16 8 9	16 14 28
	NOV.	14 20 53	15 4 43
	DEC.	14 9 37	14 17 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 617. B. March. d. h. m. 18 8 46		d. h. m.	d. h. m.
	JAN.	12 22 22	13 5 5
	FEB.	11 11 6	11 15 13
	MAR.	12 28 50	13 0 18
	APRIL	11 12 34	11 8 55
	○	26 6 56	26 18 47
	MAY	11 1 18	10 17 55
	JUNE	9 14 2	9 4 12
	JULY	9 2 46	8 16 31
	AUG.	7 15 30	7 7 11
	SEPT.	6 4 14	5 23 51
	OCT.	5 16 58	5 17 37
	○	20 11 20	20 2 31
	NOV.	4 5 42	4 11 18
	DEC.	3 18 26	4 3 49
618. A. 18 14 35	JAN.	2 7 10	2 18 24
		31 19 54	...
	FEB.	...	1 6 42
	MAR.	2 8 38	2 16 51
		31 21 22	1 1 16
	○	15 15 44	15 21 22
	APRIL	30 10 6	30 8 45
	MAY	29 22 50	29 16 15
	JUNE	28 11 34	28 0 49
	JULY	28 0 18	27 11 29
	AUG.	26 13 2	26 0 55
	SEPT.	25 1 46	24 17 13
	○	9 20 8	9 18 28
	OCT.	24 14 30	24 11 35
	NOV.	23 3 14	23 6 44
	DEC.	22 15 58	23 1 7
619. G. 18 20 24	JAN.	21 4 42	21 17 22
	FEB.	19 17 27	20 6 50
	MAR.	21 6 11	21 17 29
	○	5 0 33	4 21 5
	APRIL	19 18 55	20 1 53
	MAY	19 7 39	19 8 55
	JUNE	17 20 23	17 15 38
	JULY	17 9 7	16 23 10
	AUG.	15 21 51	15 8 34
	SEPT.	14 10 35	13 20 42
	○	29 4 57	29 9 24
	OCT.	13 23 19	13 11 57
	NOV.	12 12 8	12 5 53
	DEC.	12 0 47	12 1 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 620. F.E. March. d. h. m. 18 2 12		d. h. m.	d. h. m.
	JAN.	10 13 31	10 20 40
	FEB.	9 2 15	9 14 14
	MAR.	9 14 59	10 4 58
	APRIL	8 3 43	8 16 36
	MAY	7 16 27	8 1 37
	JUNE	6 5 11	6 8 57
	JULY	5 17 55	5 15 39
	AUG.	4 6 39	3 22 53
	SEPT.	2 19 23	2 7 37
	OCT.	2 8 7	1 18 43
		31 20 51	31 8 39
	NOV.	30 9 35	30 1 18
	DEC.	29 22 19	29 19 51
621. D. 18 8 1	JAN.	28 11 3	28 14 56
	○	12 5 25	12 8 44
	FEB.	26 23 48	27 9 3
	MAR.	28 12 32	29 0 52
	APRIL	27 1 16	27 13 51
	MAY	26 14 0	27 0 7
	JUNE	25 2 44	25 8 28
	JULY	24 15 28	24 15 56
	○	8 9 50	8 4 37
	AUG.	23 4 12	22 23 33
	SEPT.	21 16 56	21 8 18
	OCT.	21 5 40	20 18 47
	NOV.	19 18 24	19 7 27
	DEC.	19 7 8	18 22 20
622. C. 18 18 50	JAN.	17 19 53	17 15 4
	○	1 14 15	1 22 51
	FEB.	16 8 37	16 8 47
	MAR.	17 21 21	18 2 21
	APRIL	16 10 5	16 18 42
	MAY	15 22 49	16 8 59
	JUNE	14 11 33	14 20 59
	JULY	14 0 17	14 7 4
	○	28 18 39	28 6 46
	AUG.	12 13 1	12 16 1
	SEPT.	11 1 45	11 0 43
	OCT.	10 14 29	10 10 1
	NOV.	9 3 13	8 20 23
	DEC.	8 15 57	8 8 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 623.		d. h. m.	d. h. m.
B.	JAN. .	7 4 41	6 21 8
	○	21 23 8	22 11 42
March. d. h. m. 18 19 39	FEB. .	5 17 25	5 11 30
	MAR. .	7 6 9	7 2 58
	APRIL	5 18 53	5 19 8
	MAY .	5 7 37	5 11 4
	JUNE .	3 20 21	4 2 16
	JULY .	3 9 5	3 16 5
	○	18 3 27	17 15 52
	AUG. .	1 21 49	2 4 21
		31 10 33	31 15 25
	SEPT. .	29 23 17	30 1 52
	OCT. .	29 12 1	29 12 15
	NOV. .	28 0 45	27 22 53
	DEC. .	27 18 29	27 9 55
624. A.G. 18 1 28	JAN. .	26 2 13	25 21 21
	FEB. .	24 14 58	24 9 22
	MAR. .	25 3 42	24 22 15
	APRIL	23 16 26	23 12 8
	MAY .	23 5 10	23 2 59
	○	6 23 32	7 0 29
	JUNE .	21 17 54	21 18 21
	JULY .	21 6 38	21 9 37
	AUG. .	19 19 22	20 0 11
	SEPT. .	18 8 6	18 13 48
	OCT. .	17 20 50	18 2 28
	NOV. .	16 9 34	16 14 22
	○	1 3 56	30 22 6
	DEC. .	15 22 18	16 1 38
625. F. 18 7 17	JAN. .	14 11 3	14 12 20
	FEB. .	12 23 47	12 22 30
	MAR. .	14 12 31	14 8 31
	APRIL	13 1 15	12 18 57
	MAY .	12 13 59	12 6 26
	○	27 8 21	27 16 57
	JUNE .	11 2 43	10 19 31
	JULY .	10 15 27	10 10 14
	AUG. .	9 4 11	9 2 12
	SEPT. .	7 16 55	7 18 41
	OCT. .	7 5 39	7 10 49
	NOV. .	5 18 23	6 1 57
	○	20 12 45	20 1 38
	DEC. .	5 7 7	5 15 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 626.		d. h. m.	d. h. m.
E. March. d. h. m. 18 13 5	JAN. .	3 19 51	4 3 55
	FEB. .	2 8 35	2 14 37
	MAR. .	3 21 19	3 23 58
	APRIL	2 10 3	2 8 32
	MAY ○	1 22 47	1 17 0
		16 17 9	17 4 24
		31 11 31	31 2 21
	JUNE .	30 0 15	29 13 29
	JULY .	29 12 59	29 2 57
	AUG. .	28 1 43	27 18 49
	SEPT. .	26 14 27	26 12 21
	OCT. .	26 3 11	26 6 27
	○	9 21 33	9 12 29
	NOV. .	24 15 55	24 23 53
	DEC. .	24 4 39	24 15 38
627. D. 18 18 54	JAN. .	22 17 23	23 5 6
	FEB. .	21 6 7	21 16 10
	MAR. .	22 18 52	23 1 14
	APRIL	21 7 36	21 8 56
	MAY .	20 20 20	20 16 10
	JUNE .	19 9 4	18 23 56
	JULY .	18 21 48	18 9 24
	AUG. .	17 10 32	16 21 26
	SEPT. .	15 23 16	15 12 25
	OCT. .	15 12 0	15 6 1
	NOV. .	14 0 44	14 1 7
	DEC. .	13 13 28	13 20 11
628. C.B. 18 0 43	JAN. .	12 2 13	12 13 41
	FEB. .	10 14 57	11 4 34
	MAR. .	11 3 41	11 16 29
	○	25 22 3	25 17 56
	APRIL	9 16 25	10 1 47
	MAY .	9 5 9	9 9 17
	JUNE .	7 17 53	7 15 58
	JULY .	7 6 37	6 22 57
	AUG. .	5 19 21	5 7 19
	SEPT. .	4 8 5	3 18 5
	○	19 2 27	19 7 43
	OCT. .	3 20 49	3 7 52
	NOV. .	2 9 33	2 0 37
	DEC. .	1 22 17	1 19 32
		31 11 1	31 15 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 629. A.	JAN. .	29 23 45	30 9 41
	FEB. .	28 12 29	1 1 50
March. d. h. m. 18 6 32	○	15 6 51	15 1 35
	MAR. .	30 1 13	30 14 55
	APRIL	28 13 57	29 1 7
	MAY .	28 2 41	28 9 8
	JUNE .	26 15 25	26 16 3
	JULY .	26 4 9	25 22 57
	AUG. .	24 16 53	24 6 56
	○	8 11 15	8 15 14
	SEPT. .	23 5 37	22 16 53
	OCT. .	22 18 21	22 5 27
	NOV. .	21 7 5	20 20 47
	DEC. .	20 19 49	20 14 27
630. G.	JAN. .	19 8 34	19 9 21
	FEB. .	17 21 18	18 3 58
	○	4 15 40	4 15 37
18 12 21	MAR. .	19 10 2	19 20 52
	APRIL	17 22 46	18 11 16
	MAY .	17 11 30	17 22 50
	JUNE .	16 0 14	16 8 6
	JULY .	15 12 58	15 16 0
	AUG. .	14 1 42	13 23 36
	○	28 20 4	28 16 23
	SEPT. .	12 14 26	12 7 51
	OCT. .	12 3 10	11 17 33
	NOV. .	10 15 54	10 5 10
	DEC. .	10 4 38	9 18 55
631. F.	JAN. .	8 17 23	8 10 37
	FEB. .	7 6 7	7 3 41
18 18 10	MAR. .	8 18 51	8 21 16
	APRIL	7 7 35	7 14 11
	MAY .	6 20 19	7 5 29
	JUNE .	5 9 3	5 18 41
	JULY .	4 21 47	5 5 47
	AUG. .	3 10 31	3 15 22
	SEPT. .	1 23 15	2 0 19
	OCT. .	1 11 59	1 9 29
		31 0 43	30 19 27
	NOV. .	29 13 27	29 6 30
	DEC. .	29 2 11	28 18 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 632. E.D.	○	12 20 33	13 8 47
	JAN. .	27 14 55	27 8 17
March. d. h. m. 17 23 58	FEB. .	26 3 39	25 22 57
	MAR. .	26 16 23	26 14 30
	APRIL	25 5 7	25 6 26
	MAY .	24 17 51	24 22 3
	JUNE .	23 6 35	23 12 40
	○	8 0 57	7 15 8
	JULY .	22 19 19	23 1 54
	AUG. .	21 8 3	21 13 47
	SEPT. .	19 20 47	20 0 45
	OCT. .	19 9 31	19 11 20
	NOV. .	17 22 15	17 21 59
	DEC. .	17 10 59	17 8 50
633. C.	○	1 5 22	1 12 31
	JAN. .	15 23 44	15 19 56
	FEB. .	14 12 28	14 7 25
18 5 47	MAR. .	16 1 12	15 19 31
	APRIL	14 13 56	14 8 35
	MAY .	14 2 40	13 22 46
	JUNE .	12 15 24	12 13 52
	○	27 9 46	27 7 32
	JULY .	12 4 8	12 5 19
	AUG. .	10 16 52	10 20 30
	SEPT. .	9 5 36	9 10 54
	OCT. .	8 18 20	9 0 20
	NOV. .	7 7 4	7 12 51
	DEC. .	6 19 48	7 0 32
	○	21 14 10	21 11 41
634. B.	JAN. .	5 8 32	5 11 30
	FEB. .	3 21 16	3 21 45
18 11 36	MAR. .	5 10 0	5 7 35
	APRIL	3 22 44	3 17 26
	MAY .	3 11 28	3 4 3
	JUNE .	2 0 12	1 16 6
	○	16 18 31	17 0 28
	JULY .	1 12 56	1 5 57
		31 1 40	30 21 26
	AUG. .	29 14 24	29 13 57
	SEPT. .	28 3 8	28 6 37
	OCT. .	27 15 52	27 22 36
	NOV. .	26 4 36	26 13 18
	DEC. .	25 17 20	26 2 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 635.		d. h. m.	d. h. m.
A. March. d. h. m. 18 17 25	JAN.	24 6 5	24 18 48
	FEB.	22 18 49	22 23 38
	MAR.	24 7 33	24 8 19
	APRIL	22 20 17	22 16 31
	○	7 14 39	8 1 40
	MAY	22 9 1	22 1 7
	JUNE	20 21 45	20 11 7
	JULY	20 10 29	19 23 21
	AUG.	18 23 13	18 14 6
	SEPT.	17 11 57	17 7 3
	OCT.	17 0 41	17 1 13
	○	31 19 3	31 11 12
	NOV.	15 18 25	15 19 22
	DEC.	15 2 9	15 12 13
636. G.F. 17 23 14	JAN.	13 14 54	14 2 56
	FEB.	12 3 38	12 15 7
	MAR.	12 16 22	13 1 0
	APRIL	11 5 6	11 9 7
	○	25 23 28	26 4 3
	MAY	10 17 50	10 16 18
	JUNE	9 6 34	8 23 34
	JULY	8 19 18	8 8 0
	AUG.	7 8 2	6 18 41
	SEPT.	5 20 46	5 8 14
	OCT.	5 9 30	5 0 44
	○	20 3 52	20 3 7
	NOV.	3 22 14	3 19 22
	DEC.	3 10 58	3 14 46
637. E. 18 5 3	JAN.	1 23 42	2 9 16
		31 12 26	...
	FEB.	...	1 1 32
	MAR.	2 1 10	2 14 51
		31 13 54	1 1 17
	○	15 8 16	15 4 50
	APRIL	30 2 38	30 9 29
	MAY	29 15 22	29 16 23
	JUNE	28 4 6	27 23 3
	JULY	27 16 50	27 6 38
	AUG.	26 5 34	25 16 11
	SEPT.	24 18 18	24 4 29
	○	9 12 40	9 17 40
	OCT.	24 7 2	23 19 51
	NOV.	22 19 46	22 13 51
	DEC.	22 8 30	22 9 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 638.		d. h. m.	d. h. m.
D. March. d. h. m. 18 10 51	JAN.	20 21 15	21 4 33
	FEB.	19 9 59	19 21 57
	MAR.	20 22 43	21 12 32
	APRIL	19 11 27	20 0 8
	MAY	19 0 11	19 9 0
	JUNE	17 12 55	17 16 23
	JULY	17 1 39	16 23 18
	AUG.	15 14 23	15 6 39
	SEPT.	14 3 7	13 15 40
	OCT.	13 15 51	13 2 57
	NOV.	12 4 35	11 16 58
	DEC.	11 17 19	11 9 30
639. C. 18 16 40	JAN.	10 6 4	10 3 50
	FEB.	8 18 48	8 22 34
	○	23 13 10	23 15 12
	MAR.	10 7 32	10 16 21
	APRIL	8 20 16	9 7 59
	MAY	8 9 0	8 20 54
	JUNE	6 21 44	7 7 16
	JULY	6 10 28	6 15 49
	AUG.	4 23 12	4 23 36
	○	19 17 34	19 11 28
	SEPT.	3 11 56	3 7 36
	OCT.	3 0 40	2 16 41
	NOV.	1 13 24	1 3 21
	DEC.	1 2 8	30 16 5
		30 14 52	30 6 44
640. B.A. 17 22 29	JAN.	29 3 36	28 23 0
	○	12 21 58	13 7 21
	FEB.	27 16 20	27 16 11
	MAR.	28 5 4	28 9 20
	APRIL	26 17 48	27 1 26
	MAY	26 6 32	26 15 42
	JUNE	24 19 16	25 3 55
	JULY	24 8 0	24 14 22
	○	8 2 22	7 13 47
	AUG.	22 20 44	22 23 46
	SEPT.	21 9 28	21 8 59
	OCT.	20 22 12	20 18 40
	NOV.	19 10 56	19 5 15
	DEC.	18 23 40	18 16 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 641. G. March. d. h. m. 18 4 18		d. h. m.	d. h. m.
	JAN.	17 12 25	17 5 37
	○	1 6 47	1 20 0
	FEB.	16 1 9	15 19 27
	MAR.	17 13 58	17 10 18
	APRIL	16 2 37	16 1 51
	MAY	15 15 21	15 17 35
	JUNE	14 4 5	14 8 47
	JULY	13 16 49	13 22 53
	○	28 11 11	27 23 15
	AUG.	12 5 33	12 11 39
	SEPT.	10 18 17	10 23 17
	OCT.	10 7 1	10 10 17
	NOV.	8 19 45	8 21 4
	DEC.	8 8 29	8 7 53
642. F. 18 10 7	JAN.	6 21 14	6 18 47
	FEB.	5 9 58	5 5 51
	MAR.	6 22 42	6 17 19
	APRIL	5 11 26	5 5 33
	MAY	5 0 10	4 18 56
	JUNE	3 12 54	3 9 29
	JULY	3 1 38	3 0 50
	AUG.	1 14 22	1 16 23
		31 3 6	31 7 29
	SEPT.	29 15 50	29 21 43
	OCT.	29 4 34	29 10 56
	NOV.	27 17 18	27 23 13
	○	12 11 40	12 6 12
	DEC.	27 6 2	27 10 34
643. E. 18 15 56	JAN.	25 18 46	25 21 4
	FEB.	24 7 30	24 6 52
	MAR.	25 20 14	25 16 23
	APRIL	24 3 58	24 2 16
	MAY	23 21 42	23 13 19
	○	7 16 4	8 0 13
	JUNE	22 10 26	22 2 7
	JULY	21 23 10	21 16 50
	AUG.	20 11 54	20 9 4
	SEPT.	19 0 38	19 2 0
	OCT.	18 13 22	18 18 42
	NOV.	17 2 6	17 10 21
	○	1 20 28	1 10 6
	DEC.	16 14 50	17 0 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 644. D.C. March. d. h. m. 17 21 44		d. h. m.	d. h. m.
	JAN.	15 8 35	15 12 41
	FEB.	13 16 19	13 23 9
	MAR.	14 5 8	14 8 10
	APRIL	12 17 47	12 16 17
	MAY	12 6 31	12 0 23
	○	27 0 53	27 11 14
	JUNE	10 19 15	10 9 25
	JULY	10 7 59	9 20 23
	AUG.	8 20 43	8 9 53
	SEPT.	7 9 27	7 1 55
	OCT.	6 22 11	6 19 48
	NOV.	5 10 55	5 14 22
	○	20 5 17	19 21 17
	DEC.	4 23 39	5 8 10
645. B. 18 3 33	JAN.	3 12 23	4 0 7
	FEB.	2 1 7	2 13 32
	MAR.	3 13 51	4 0 24
	APRIL	2 2 35	2 9 10
	MAY	1 15 19	1 16 33
		31 4 8	30 23 33
	JUNE	29 16 47	29 7 12
	JULY	29 5 31	28 16 38
	AUG.	27 18 15	27 4 45
	SEPT.	26 6 59	25 19 54
	OCT.	25 19 43	25 13 48
	NOV.	24 8 27	24 9 2
	DEC.	23 21 11	24 4 15
646. A. 18 9 22	JAN.	22 9 55	22 21 46
	FEB.	20 22 40	21 12 34
	MAR.	22 11 24	23 0 18
	○	6 5 46	6 1 4
	APRIL	21 0 8	21 9 26
	MAY	20 12 52	20 16 46
	JUNE	19 1 36	18 23 23
	JULY	18 14 20	18 6 26
	AUG.	17 3 4	16 14 56
	SEPT.	15 15 48	15 1 51
	○	30 10 10	30 15 46
	OCT.	15 4 32	14 15 47
	NOV.	13 17 16	13 8 36
	DEC.	13 6 0	13 3 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 647.		d. h. m.	d. h. m.
G. March. d. h. m. 18 15 11	JAN.	11 18 45	11 23 0
	FEB.	10 7 29	10 17 24
	MAR.	11 20 13	12 9 24
	○	26 14 35	26 9 18
	APRIL	10 8 57	10 22 21
	MAY	9 21 41	10 8 28
	JUNE	8 10 25	8 16 29
	JULY	7 23 9	7 23 31
	AUG.	6 11 53	6 6 40
	SEPT.	5 0 37	4 14 55
	○	19 18 59	19 22 43
	OCT.	4 13 21	4 1 7
	NOV.	3 2 5	2 13 49
	DEC.	2 14 49	2 5 6
		...	31 22 33
648. F.E. 17 21 0	JAN.	1 3 33	...
		30 16 17	30 17 4
	FEB.	29 5 1	29 11 20
	○	14 23 23	14 23 45
	MAR.	29 17 45	30 4 1
	APRIL	28 6 29	28 18 15
	MAY	27 19 13	28 5 53
	JUNE	26 7 57	26 15 19
	JULY	25 20 41	25 23 31
	AUG.	24 9 25	24 7 29
	○	8 3 47	7 23 29
	SEPT.	22 22 9	22 16 7
	OCT.	22 10 53	22 2 6
	NOV.	20 23 37	20 13 50
	DEC.	20 12 21	20 3 26
649. D. 18 2 49	JAN.	19 1 6	18 18 46
	FEB.	17 13 50	17 11 20
	MAR.	19 2 34	19 4 22
	APRIL	17 15 18	17 20 56
	MAY	17 4 2	17 12 8
	JUNE	15 16 46	16 1 28
	JULY	15 5 30	15 12 53
	AUG.	13 18 14	13 22 57
	SEPT.	12 6 58	12 8 25
	OCT.	11 19 42	11 18 1
	NOV.	10 8 26	10 4 16
	DEC.	9 21 10	9 15 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 650.		d. h. m.	d. h. m.
C. March. d. h. m. 18 8 37	JAN.	8 9 55	8 3 26
	○	23 4 17	23 17 4
	FEB.	6 22 39	6 16 29
	MAR.	8 11 23	8 6 32
	APRIL	7 0 7	6 21 31
	MAY	6 12 51	6 13 2
	JUNE	5 1 35	5 4 33
	JULY	4 14 19	4 19 19
	○	19 8 41	18 22 34
	AUG.	3 3 3	3 8 58
	SEPT.	1 15 47	1 21 25
	OCT.	1 4 31	1 8 58
		30 17 15	30 20 2
	NOV.	29 5 59	29 6 56
	DEC.	28 18 43	28 17 46
651. B. 18 14 26	○	12 13 5	12 20 23
	JAN.	27 7 27	27 4 36
	FEB.	25 20 11	25 15 34
	MAR.	27 8 55	27 3 4
	APRIL	25 21 39	25 15 34
	MAY	25 10 23	25 5 21
	JUNE	23 23 7	23 20 18
	○	8 17 29	8 15 1
	JULY	23 11 51	23 11 56
	AUG.	22 0 35	22 3 32
	SEPT.	20 13 19	20 18 32
	OCT.	20 2 3	20 8 34
	NOV.	18 14 47	18 21 32
	DEC.	18 3 31	18 9 26
652. A.G. 17 20 15	○	1 21 54	1 19 39
	JAN.	16 16 16	16 20 20
	FEB.	15 5 0	15 6 17
	MAR.	15 17 44	15 15 39
	APRIL	14 6 28	14 1 0
	MAY	13 19 12	13 11 7
	JUNE	12 7 56	11 22 50
	○	27 2 18	27 7 49
	JULY	11 20 40	11 12 35
	AUG.	10 9 24	10 4 12
	SEPT.	8 22 8	8 21 5
	OCT.	8 10 52	8 14 17
	NOV.	6 23 36	7 6 49
	DEC.	6 12 20	6 21 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 653.		d. h. m.	d. h. m.
F. March. d. h. m. 18 2 4	JAN.	5 1 4	5 11 8
	FEB.	3 18 48	3 22 25
	MAR.	5 2 38	5 7 58
	APRIL	3 15 17	3 16 15
	MAY	3 4 1	3 0 2
	JUNE	1 16 45	1 8 18
	JULY	1 5 29	30 18 6
		30 18 13	30 6 17
	AUG.	29 6 57	28 21 10
	SEPT.	27 19 41	27 14 24
	OCT.	27 8 25	27 8 59
	○	11 2 47	10 20 0
	NOV.	25 21 9	26 3 30
	DEC.	25 9 58	25 20 37
654. E. 18 7 53	JAN.	23 22 37	24 11 20
	FEB.	22 11 21	22 23 24
	MAR.	24 0 5	24 9 0
	APRIL	22 12 49	22 16 50
	○	7 7 11	7 10 38
	MAY	22 1 33	21 23 46
	JUNE	20 14 17	20 6 53
	JULY	20 3 1	19 15 18
	AUG.	18 15 45	18 2 1
	SEPT.	17 4 29	16 15 43
	OCT.	16 17 13	16 8 23
	○	31 11 35	31 11 49
	NOV.	15 5 57	15 3 14
	DEC.	14 18 41	14 22 46
655. D. 18 13 42	JAN.	13 7 25	13 17 19
	FEB.	11 20 9	12 9 31
	MAR.	13 8 53	13 22 42
	APRIL	11 21 37	12 8 57
	○	26 15 59	26 11 40
	MAY	11 10 21	11 16 59
	JUNE	9 23 5	9 23 48
	JULY	9 11 49	9 6 31
	AUG.	8 0 33	7 14 14
	SEPT.	6 13 17	5 23 57
	OCT.	6 2 1	5 12 25
	○	20 20 23	21 2 4
	NOV.	4 14 45	4 3 53
	DEC.	4 3 29	3 21 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 656.		d. h. m.	d. h. m.
C.B. March. d. h. m. 17 19 30	JAN.	2 16 14	2 17 15
	FEB.	1 4 58	1 12 16
	MAR.	1 17 43	2 5 30
		31 6 27	31 19 56
	APRIL	29 19 11	30 7 22
	MAY	29 7 55	29 16 20
	JUNE	27 20 39	27 23 48
	JULY	27 9 23	27 6 51
	AUG.	25 22 7	25 14 35
	SEPT.	24 10 51	23 23 51
	OCT.	23 23 35	23 11 20
	NOV.	22 12 19	22 1 22
	DEC.	22 1 3	21 17 43
657. A. 18 1 19	JAN.	20 13 47	20 11 41
	FEB.	19 2 31	19 6 2
	○	5 20 53	5 23 29
	MAR.	20 15 15	20 23 23
	APRIL	19 3 59	19 14 56
	MAY	18 16 43	19 3 51
	JUNE	17 5 27	17 14 23
	JULY	16 18 11	16 23 14
	AUG.	15 6 55	15 7 23
	○	30 1 17	29 18 26
	SEPT.	13 19 39	13 15 47
	OCT.	13 8 23	13 1 11
	NOV.	11 21 7	11 12 6
	DEC.	11 9 51	11 0 44
658. G. 18 7 8	JAN.	9 22 36	9 15 6
	FEB.	8 11 20	8 6 51
	○	23 5 42	23 15 43
	MAR.	10 0 4	9 23 29
	APRIL	8 12 48	8 16 11
	MAY	8 1 32	8 8 5
	JUNE	6 14 16	6 22 23
	JULY	6 3 0	6 10 53
	AUG.	4 15 44	4 21 46
	○	19 10 6	18 20 59
	SEPT.	3 4 28	3 7 41
	OCT.	2 17 12	2 17 22
	NOV.	1 5 56	1 3 26
		30 18 40	30 14 10
	DEC.	30 7 24	30 1 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 659. F.		d. h. m.	d. h. m.
March. d. h. m. 18 12 57	JAN.	28 20 8	28 14 2
	FEB.	12 14 30 / 27 8 52	13 4 9 / 27 3 16
	MAR.	28 21 37	28 17 31
	APRIL	27 10 21	27 8 36
	MAY	26 23 5	27 0 4
	JUNE	25 11 49	25 15 18
	JULY	25 0 33	25 5 44
	AUG.	8 18 55 / 23 13 17	8 6 46 / 23 19 2
	SEPT.	22 2 1	22 7 17
	OCT.	21 14 45	21 18 48
	NOV.	20 3 29	20 5 56
	DEC.	19 16 13	19 16 51
660. E.D. 17 13 46	JAN.	18 4 57	18 3 34
	FEB.	16 17 41	16 14 13
	MAR.	17 6 25	17 1 6
	APRIL	15 19 9	15 12 46
	MAY	15 7 53	15 1 40
	JUNE	13 20 37	13 15 56
	JULY	13 9 21	13 7 21
	AUG.	11 22 5	11 23 13
	SEPT.	10 10 49	10 14 51
	OCT.	9 23 33	10 5 42
	NOV.	8 12 17	8 19 28
	DEC.	8 1 1 / 22 19 23	8 8 3 / 22 14 14
661. C. 18 0 35	JAN.	6 13 46	6 19 23
	FEB.	5 2 30	5 5 44
	MAR.	6 15 14	6 15 8
	APRIL	5 3 58	5 0 8
	MAY	4 16 42	4 9 31
	JUNE	3 5 26 / 17 23 48	2 20 11 / 18 7 28
	JULY	2 18 10	2 8 47 / 31 23 32
	AUG.	1 6 54 / 30 19 38	30 16 3
	SEPT.	29 8 22	29 9 27
	OCT.	28 21 6	29 2 42
	NOV.	27 9 50	27 18 48
	DEC.	12 4 12 / 26 22 34	11 18 36 / 27 9 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 662. B.		d. h. m.	d. h. m.
March. d. h. m. 18 6 23	JAN.	25 11 18	25 21 20
	FEB.	24 0 2	24 7 33
	MAR.	25 12 46	25 16 12
	APRIL	24 1 30	23 23 56
	MAY	23 14 14	23 7 41
	JUNE	7 8 36 / 22 2 58	7 18 8 / 21 16 29
	JULY	21 15 42	21 3 21
	AUG.	20 4 26	19 16 55
	SEPT.	18 17 10	18 9 11
	OCT.	18 5 54	18 3 25
	NOV.	16 18 38	16 22 19
	DEC.	1 13 0 / 16 7 22	1 6 7 / 16 16 25
663. A. 18 12 12	JAN.	14 20 7	15 8 29
	FEB.	13 8 51	13 21 51
	MAR.	14 21 35	15 8 30
	APRIL	13 10 19	13 16 59
	MAY	12 23 3	13 0 7
	JUNE	11 11 47	11 6 56
	JULY	11 0 31	10 14 32
	AUG.	9 13 15	9 0 1
	SEPT.	8 1 59	7 12 14
	OCT.	7 14 43	7 3 34
	NOV.	6 3 27	5 21 33
	DEC.	5 16 11	5 17 0
664. G.F. 17 18 1	JAN.	4 4 56	4 12 17
	FEB.	2 17 40	3 5 47
	MAR.	3 6 21	3 20 25
	APRIL	1 19 8 / 16 13 30	2 8 0 / 16 8 7
	MAY	1 7 52 / 30 20 36	1 16 57 / 31 0 13
	JUNE	29 9 20	29 6 53
	JULY	28 22 4	28 14 1
	AUG.	27 10 48	26 22 42
	SEPT.	25 23 32	25 9 49
	OCT.	10 17 54 / 25 12 16	10 23 57 / 24 23 51
	NOV.	24 1 0	23 16 43
	DEC.	23 13 44	23 11 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 665. E. March. d. h. m. 17 23 50		d. h. m.	d. h. m.
	JAN.	22 2 28	22 6 46
	FEB.	20 15 12	21 0 58
	MAR.	22 3 56	22 16 46
	○	5 22 18	5 16 55
	APRIL	20 16 40	21 5 37
	MAY	20 5 24	20 15 48
	JUNE	18 18 8	18 23 50
	JULY	18 6 52	18 7 5
	AUG.	16 19 36	16 14 29
	SEPT.	15 8 20	14 23 3
	○	30 2 42	30 6 17
	OCT.	14 21 4	14 9 29
	NOV.	13 9 48	12 22 17
	DEC.	12 22 32	12 13 27
666. D. 18 5 39	JAN.	11 11 17	11 6 34
	FEB.	10 0 1	10 0 41
	MAR.	11 12 45	11 18 33
	○	26 7 7	26 7 46
	APRIL	10 1 29	10 10 59
	MAY	9 14 13	10 1 10
	JUNE	8 2 57	8 12 53
	JULY	7 15 41	7 22 36
	AUG.	6 4 25	6 7 9
	SEPT.	4 17 9	4 15 32
	○	19 11 31	19 6 44
	OCT.	4 5 58	4 0 33
	NOV.	2 18 37	2 10 48
	DEC.	2 7 21	1 22 35
		31 20 5	31 11 58
667. C. 18 11 28	JAN.	30 8 49	30 2 49
	FEB.	28 21 34	28 18 51
	MAR.	30 10 18	30 11 22
	APRIL	28 23 2	29 3 37
	MAY	28 11 46	28 18 45
	JUNE	27 0 30	27 8 15
	JULY	26 13 14	26 20 5
	AUG.	25 1 58	25 6 40
	SEPT.	23 14 42	23 16 39
	OCT.	23 3 26	23 2 41
	NOV.	21 16 10	21 13 10
	DEC.	21 4 54	21 0 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 668. B.A. March. d. h. m. 17 17 16		d. h. m.	d. h. m.
	JAN.	19 17 38	19 12 2
	○	8 12 0	4 1 11
	FEB.	18 6 22	18 0 34
	MAR.	18 19 6	18 13 59
	APRIL	17 7 50	17 4 24
	MAY	16 20 34	16 19 34
	JUNE	15 9 18	15 10 59
	JULY	14 22 2	15 1 59
	○	29 16 24	29 6 4
	AUG.	13 10 46	13 16 5
	SEPT.	11 23 30	12 5 8
	OCT.	11 12 14	11 17 16
	NOV.	10 0 58	10 4 47
	DEC.	9 13 42	9 15 54
669. G. 17 23 5	JAN.	8 2 27	8 2 40
	○	22 20 49	23 4 17
	FEB.	6 15 11	6 13 9
	MAR.	8 3 55	7 23 36
	APRIL	6 16 39	6 10 31
	MAY	6 5 23	5 22 30
	JUNE	4 18 7	4 11 55
	JULY	4 6 51	4 2 47
	○	19 1 13	18 22 35
	AUG.	2 19 35	2 18 37
	SEPT.	1 8 19	1 10 42
		30 21 3	1 2 17
	OCT.	30 9 47	30 16 54
	NOV.	28 22 31	29 6 17
	DEC.	28 11 15	28 18 20
670. F. 18 4 54	○	12 5 38	12 3 35
	JAN.	27 0 0	27 5 6
	FEB.	25 12 44	25 14 42
	MAR.	27 1 28	26 23 35
	APRIL	25 14 12	25 8 27
	MAY	25 2 56	24 18 10
	JUNE	23 15 40	23 5 37
	○	8 10 2	8 15 13
	JULY	23 4 24	22 19 17
	AUG.	21 17 8	21 11 5
	SEPT.	20 5 52	20 4 23
	OCT.	19 18 36	19 22 4
	NOV.	18 7 20	18 15 6
	DEC.	17 20 4	18 6 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 671. E. March. d. h. m. 18 10 43		d. h. m.	d. h. m.
	JAN.	16 8 48	16 19 47
	FEB.	14 21 32	15 6 54
	MAR.	16 10 16	16 16 7
	APRIL	14 23 0	15 0 0
	MAY	14 11 44	14 7 27
	JUNE	13 0 28	12 15 29
	JULY	12 13 12	12 1 10
	AUG.	11 1 56	10 13 19
	SEPT.	9 14 40	9 4 22
	OCT.	9 3 24	8 21 54
	NOV.	7 16 8	7 16 48
	○	22 10 30	22 4 52
	DEC.	7 4 52	7 11 38
672. D.C. 17 16 32	JAN.	5 17 37	6 4 54
	FEB.	4 6 21	4 19 38
	MAR.	4 19 5	5 7 31
	APRIL	3 7 49	3 16 52
	MAY	2 20 33	3 0 27
	○	17 14 55	17 17 8
	JUNE	1 9 17	1 7 13
		30 22 1	30 14 16
	JULY	30 10 45	29 22 42
	AUG.	28 23 29	28 9 31
	SEPT.	27 12 13	26 23 23
	OCT.	27 0 57	26 16 12
	○	10 19 19	10 20 39
	NOV.	25 13 41	25 11 10
	DEC.	25 2 25	25 6 45
673. B. 17 22 21	JAN.	23 15 10	24 1 17
	FEB.	22 3 54	22 17 23
	MAR.	23 16 33	24 6 24
	APRIL	22 5 22	22 16 31
	○	6 23 44	6 18 27
	MAY	21 18 6	22 0 28
	JUNE	20 6 50	20 7 17
	JULY	19 19 34	19 14 7
	AUG.	18 8 18	17 22 0
	SEPT.	16 21 2	16 7 55
	OCT.	16 9 46	15 20 32
	○	31 4 8	31 10 35
	NOV.	14 22 30	14 12 3
	DEC.	14 11 14	14 5 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 674. A. March. d. h. m. 18 4 9		d. h. m.	d. h. m.
	JAN.	12 23 58	13 1 6
	FEB.	11 12 42	11 19 53
	MAR.	13 1 26	13 12 54
	APRIL	11 14 10	12 3 10
	MAY	11 2 54	11 14 34
	JUNE	9 15 38	9 23 36
	JULY	9 4 22	9 7 14
	AUG.	7 17 6	7 14 35
	SEPT.	6 5 50	5 22 37
	OCT.	5 18 34	5 8 11
	NOV.	4 7 18	3 19 50
	DEC.	3 20 2	3 9 49
675. G. 18 9 58	JAN.	2 8 47	2 1 55
		31 21 31	31 19 27
	FEB.	...	...
	MAR. ○	2 10 15	2 18 22
		17 4 37	17 7 37
		31 22 59	1 6 30
	APRIL	30 11 43	30 21 48
	MAY	30 0 27	30 10 45
	JUNE	28 13 11	28 21 30
	JULY	28 1 55	28 6 42
	AUG.	26 14 39	26 15 16
	○	10 9 1	10 1 36
	SEPT.	25 3 23	25 0 5
	OCT.	24 16 7	24 9 51
	NOV.	23 4 51	22 20 54
	DEC.	22 17 35	22 9 25
676. F.E. 17 15 47	JAN.	21 6 19	20 23 23
	FEB.	19 19 3	19 14 35
	○	5 13 25	5 23 55
	MAR.	20 7 47	20 6 40
	APRIL	18 20 31	18 22 55
	MAY	18 9 15	18 14 36
	JUNE	16 21 59	17 5 2
	JULY	16 10 43	16 17 51
	AUG.	14 23 27	15 5 14
	○	29 17 49	29 4 20
	SEPT.	13 12 11	13 15 41
	OCT.	13 0 55	13 1 53
	NOV.	11 13 39	11 12 17
	DEC.	11 2 23	10 23 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 677. D.		d. h. m.	d. h. m.
March. d. h. m. 17 21 33	JAN.	9 15 7	9 10 27
	FEB.	8 3 51	7 22 19
	○	22 22 13	23 12 9
	MAR.	9 16 36	9 11 0
	APRIL	8 5 20	8 0 37
	MAY	7 18 4	7 15 14
	JUNE	6 6 48	6 6 29
	JULY	5 19 32	5 21 50
	AUG.	4 8 16	4 12 38
	○	19 2 38	18 14 23
	SEPT.	2 21 0	3 2 30
	OCT.	2 9 44	2 15 22
		31 22 23	1 3 25
	NOV.	30 11 12	30 14 51
	DEC.	29 23 56	30 1 48
678. C. 18 3 25	JAN.	28 12 41	28 12 17
	FEB.	27 1 25	26 22 27
	MAR.	28 14 9	28 8 47
	APRIL	27 2 53	26 19 54
	MAY	26 15 37	26 8 22
	JUNE	25 4 21	24 22 27
	JULY	24 17 5	24 13 55
	AUG.	23 5 49	23 6 10
	SEPT.	21 18 33	21 22 22
	OCT.	21 7 17	21 13 49
	NOV.	19 20 1	20 4 4
	DEC.	19 8 45	19 16 54
679. B. 18 9 14	○	3 3 7	2 22 18
	JAN.	17 21 29	18 4 15
	FEB.	16 10 13	16 14 16
	MAR.	17 22 57	17 23 13
	APRIL	16 11 41	16 7 46
	MAY	16 0 25	15 16 43
	JUNE	14 13 9	14 3 8
	○	29 7 31	29 14 45
	JULY	14 1 53	13 15 31
	AUG.	12 14 37	12 6 21
	SEPT.	11 3 21	10 23 10
	OCT.	10 16 5	10 17 3
	NOV.	9 4 49	9 10 46
	DEC.	8 17 33	9 3 15
	○	23 11 55	23 3 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 680. A.G. March. d. h. m. 17 15 2		d. h. m.	d. h. m.
	JAN.	7 6 17	7 17 44
	FEB.	5 19 1	6 5 51
	MAR.	6 7 46	6 15 49
	APRIL	4 20 30	5 0 6
	MAY	4 9 14	4 7 31
	JUNE	2 21 58	2 15 0
	○	17 16 20	18 0 57
	JULY	2 10 42	1 23 33
		31 23 26	31 10 28
	AUG.	30 12 10	30 0 8
	SEPT.	29 0 54	28 16 36
	OCT.	28 18 38	28 11 9
	NOV.	27 2 22	27 6 19
	○	11 20 44	11 15 1
	DEC.	26 15 6	27 0 38
681. F. 17 20 51	JAN.	25 3 51	25 16 45
	FEB.	23 16 35	24 5 59
	MAR.	25 5 19	25 16 25
	APRIL	23 18 3	24 0 40
	MAY	23 6 47	23 7 37
	JUNE	21 19 31	21 14 22
	JULY	21 8 15	20 21 58
	AUG.	19 20 59	19 7 32
	SEPT.	18 9 43	17 19 55
	OCT.	17 22 27	17 11 23
	NOV.	16 11 11	16 5 28
	DEC.	15 23 55	16 0 59
682. E. 18 2 40	JAN.	14 12 39	14 20 12
	FEB.	13 1 23	13 13 36
	MAR.	14 14 7	15 4 6
	APRIL	13 2 51	13 15 31
	MAY	12 15 35	13 0 24
	JUNE	11 4 19	11 7 38
	JULY	10 17 3	10 14 23
	AUG.	9 5 47	8 21 43
	SEPT.	7 18 31	7 6 36
	OCT.	7 7 15	6 17 55
	○	22 1 37	22 8 12
	NOV.	5 19 59	5 8 4
	DEC.	5 8 43	5 0 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 683.		d. h. m.	d. h. m.
D. March. d. h. m. 18 8 29	JAN. .	8 21 28	8 19 28
	FEB. .	2 10 12	2 14 28
	MAR. .	3 22 56	4 8 28
	APRIL	2 11 40	3 0 0
	○	17 6 2	17 0 26
	MAY .	2 0 24	2 12 46
		31 13 8	31 22 55
	JUNE .	30 1 52	30 7 13
	JULY .	29 14 36	29 14 43
	AUG. .	28 3 20	27 22 27
	SEPT. .	26 16 4	26 7 20
	○	11 10 26	11 14 0
	OCT. .	26 4 48	25 18 0
	NOV. .	24 17 32	24 6 49
	DEC. .	24 6 16	23 21 48
684. C.B. 17 14 18	JAN. .	22 19 1	22 14 32
	FEB. .	21 7 45	21 8 11
	MAR. .	21 20 29	22 1 38
	○	5 14 51	5 15 39
	APRIL	20 9 13	20 17 49
	MAY .	19 21 57	20 7 57
	JUNE .	18 10 41	18 19 51
	JULY .	17 23 25	18 5 54
	AUG. .	16 12 9	16 14 52
	SEPT.	15 0 58	14 23 42
	○	29 19 15	29 14 11
	OCT. .	14 13 37	14 9 8
	NOV. .	13 2 21	12 19 37
	DEC. .	12 15 5	12 7 24
685. A. 17 20 7	JAN. .	11 3 49	10 20 28
	FEB. .	9 16 33	9 10 49
	MAR. .	11 5 17	11 2 14
	APRIL	9 18 1	9 18 14
	MAY .	9 6 45	9 10 10
	JUNE .	7 19 29	8 1 17
	JULY .	7 8 13	7 15 3
	AUG. .	5 20 57	6 3 20
	SEPT. .	4 9 41	4 14 27
	OCT. .	3 22 25	4 0 58
	NOV. .	2 11 9	2 11 25
	DEC. .	1 23 53	1 22 7
		31 12 37	31 9 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 686.		d. h. m.	d. h. m.
G. March. d. h. m. 18 1 55	JAN. .	30 1 22	29 20 34
	○	13 19 44	14 9 11
	FEB. .	28 14 6	28 8 32
	MAR. .	30 2 50	29 21 20
	APRIL	28 15 34	28 11 12
	MAY .	28 4 18	28 2 4
	JUNE .	26 17 2	26 17 25
	JULY .	26 5 46	26 8 42
	○	10 0 8	9 13 40
	AUG. .	24 18 30	24 23 20
	SEPT. .	23 7 14	23 12 59
	OCT. .	22 19 58	23 1 42
	NOV. .	21 8 42	21 13 37
	DEC. .	20 21 26	21 0 53
687. F. 18 7 44	JAN. .	19 10 11	19 11 30
	○	3 4 33	3 12 2
	FEB. .	17 22 55	17 21 35
	MAR. .	19 11 39	19 7 31
	APRIL	18 0 23	17 17 53
	MAY .	17 13 7	17 5 23
	JUNE .	16 1 51	15 18 30
	JULY .	15 14 35	15 9 20
	○	30 8 57	30 6 15
	AUG. .	14 3 19	14 1 25
	SEPT. .	12 16 3	12 17 58
	OCT. .	12 4 47	12 10 10
	NOV. .	10 17 31	11 1 19
	DEC. .	10 6 15	10 15 3
688. E.D. 17 13 33	JAN. .	8 18 59	9 3 10
	○	23 13 21	23 11 25
	FEB. .	7 7 43	7 13 43
	MAR. .	7 20 27	7 22 57
	APRIL	6 9 11	6 7 24
	MAY .	5 21 55	5 15 49
	JUNE .	4 10 39	4 1 12
	JULY .	3 23 23	3 12 26
	○	18 17 45	18 22 37
	AUG. .	2 12 7	2 2 5
	SEPT. .	1 0 51	31 18 5
		30 13 35	30 11 45
	OCT. .	30 2 19	30 5 56
	NOV. .	28 15 3	28 23 22
	DEC. .	28 3 47	28 15 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 689.		d. h. m.	d. h. m.
C. March. d. h. m. 17 19 21	JAN.	26 16 32	27 4 20
	FEB.	25 5 16	25 15 14
	MAR.	26 18 0	27 0 8
	APRIL	25 6 44	25 7 42
	MAY	24 19 28	24 14 53
	JUNE	23 8 12	22 22 43
	JULY	22 20 56	22 8 19
	AUG.	21 9 40	20 20 33
	SEPT.	19 22 24	19 11 45
	OCT.	19 11 8	19 5 31
	NOV.	17 23 52	18 0 42
	○	2 18 14	2 13 49
	DEC.	17 12 36	17 19 45
690. B. 18 1 10	JAN.	16 1 20	16 13 6
	FEB.	14 14 4	15 3 46
	MAR.	16 2 48	16 15 28
	APRIL	14 15 32	15 0 36
	MAY	14 4 16	14 7 59
	○	28 22 38	28 23 35
	JUNE	12 17 0	12 14 39
	JULY	12 5 44	11 21 42
	AUG.	10 18 28	10 6 12
	SEPT.	9 7 12	8 17 10
	OCT.	8 19 56	8 7 10
	NOV.	7 8 40	7 0 7
	○	22 3 2	22 5 33
	DEC.	6 21 24	6 19 8
691. A. 18 6 59	JAN.	5 10 9	5 14 42
	FEB.	3 22 53	4 9 7
	MAR.	5 11 37	6 1 3
	APRIL	4 0 21	4 13 56
	MAY	3 13 5	3 23 56
	○	18 7 27	18 1 9
	JUNE	2 1 49	2 7 51
	JULY	1 14 33	1 14 45
		31 3 17	30 21 44
	AUG.	29 16 1	29 5 51
	SEPT.	28 4 45	27 16 1
	OCT.	27 17 29	27 4 47
	○	11 11 51	11 19 8
	NOV.	26 6 13	25 20 17
	DEC.	25 18 57	25 14 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 692.		d. h. m.	d. h. m.
G.F. March. d. h. m. 17 12 48	JAN.	24 7 42	24 8 54
	FEB.	22 20 26	23 3 22
	MAR.	23 9 10	23 20 8
	APRIL	21 21 54	22 10 17
	MAY	21 10 38	21 21 42
	JUNE	19 23 22	20 6 57
	JULY	19 12 6	19 14 45
	AUG.	18 0 50	17 22 25
	SEPT.	16 13 34	16 6 49
	OCT.	16 2 18	15 16 41
	NOV.	14 15 2	14 4 28
	DEC.	14 3 46	13 18 19
693. E. 17 18 37	JAN.	12 16 30	12 10 4
	FEB.	11 5 14	11 3 8
	MAR.	12 17 58	12 20 34
	○	27 12 20	27 15 38
	APRIL	11 6 42	11 13 21
	MAY	10 19 26	11 4 31
	JUNE	9 8 10	9 17 35
	JULY	8 20 54	9 4 37
	AUG.	7 9 38	7 14 14
	SEPT.	5 22 22	5 23 16
	○	20 16 44	20 8 52
	OCT.	5 11 6	5 8 33
	NOV.	3 23 50	3 18 37
	DEC.	3 12 34	3 5 46
694. D. 18 0 26	JAN.	2 1 19	1 18 6
		31 14 3	31 7 36
	FEB.	...	...
	MAR. ○	2 2 47	1 22 13
		16 21 9	17 7 59
		31 15 31	31 13 42
	APRIL	30 4 15	30 5 35
	MAY	29 16 59	29 21 7
	JUNE	28 5 43	28 11 41
	JULY	27 18 27	28 0 54
	AUG.	26 7 11	26 12 48
	○	10 1 33	9 11 50
	SEPT.	24 19 55	24 23 50
	OCT.	24 8 39	24 10 31
	NOV.	22 21 23	22 21 13
	DEC.	22 10 7	22 8 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 695. C.		d. h. m.	d. h. m.
March. d. h. m. 18 6 14	JAN.	20 22 52	20 19 9
	FEB.	19 11 36	19 6 38
	○ MAR.	6 5 58	6 20 1
		21 0 20	20 18 37
	APRIL	19 13 4	19 7 39
	MAY	19 1 48	18 21 49
	JUNE	17 14 32	17 12 55
	JULY	17 8 16	17 4 25
	AUG.	15 16 0	15 19 39
	○	30 10 22	29 22 12
	SEPT.	14 4 44	14 10 6
	OCT.	13 17 28	13 23 34
	NOV.	12 6 12	12 12 6
	DEC.	11 18 56	11 23 48
696. B.A. 17 12 3	JAN.	10 7 40	10 10 41
	FEB.	8 20 24	8 20 52
	MAR.	9 9 8	9 6 35
	APRIL	7 21 52	7 16 23
	MAY	7 10 36	7 2 59
	JUNE	5 23 20	5 15 4
	JULY	5 12 4	5 5 1
	AUG.	4 0 48	3 20 36
	SEPT.	2 13 32	2 13 13
	OCT.	2 2 16	2 5 58
		31 15 0	31 21 59
	NOV.	30 8 44	30 12 41
	DEC.	29 16 28	30 1 41
697. G. 17 17 52	○ JAN.	13 10 51	13 6 20
		28 5 13	28 12 57
	FEB.	26 17 57	26 22 39
	MAR.	28 6 41	28 7 13
	APRIL	26 19 25	26 15 19
	MAY	26 8 9	25 23 55
	JUNE	24 20 53	24 10 0
	○ JULY	9 15 15	9 21 59
		24 9 37	23 22 23
	AUG.	22 22 21	22 13 19
	SEPT.	21 11 5	21 6 26
	OCT.	20 23 49	21 0 44
	NOV.	19 12 33	19 18 53
	DEC.	19 1 17	19 11 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 698. F.		d. h. m.	d. h. m.
March. d. h. m. 17 23 41	○ JAN.	2 19 40	2 11 40
		17 14 2	18 2 14
	FEB.	16 2 46	16 14 15
	MAR.	17 15 30	17 23 56
	APRIL	16 4 14	16 7 55
	MAY	15 16 58	15 15 2
	JUNE	14 5 42	13 22 19
	○	29 0 4	29 7 45
	JULY	13 18 26	13 6 51
	AUG.	12 7 10	11 17 42
	SEPT.	10 19 54	10 7 29
	OCT.	10 8 38	10 0 10
	NOV.	8 21 22	8 18 57
	DEC.	8 10 6	8 14 22
	○	23 4 28	22 23 54
699. E. 18 5 30	JAN.	6 22 50	7 8 47
	FEB.	5 11 34	6 0 51
	MAR.	7 0 18	7 13 57
	APRIL	5 13 2	6 0 11
	MAY	5 1 46	5 8 14
	JUNE	3 14 30	3 15 5
	○	18 8 52	18 10 31
	JULY	3 3 14	2 21 46
	AUG.	1 15 58	1 5 27
		31 4 42	30 15 11
	SEPT.	29 17 26	29 3 48
	OCT.	29 6 10	28 19 18
	NOV.	27 18 54	27 13 26
	DEC.	27 7 38	27 8 56
700. D.C. 17 11 19	JAN.	25 20 23	26 4 3
	FEB.	24 9 7	24 21 17
	MAR.	24 21 51	25 11 38
	APRIL	23 10 35	23 22 57
	MAY	22 23 19	23 7 46
	JUNE	21 12 3	21 15 4
	JULY	21 0 47	20 21 57
	AUG.	19 13 31	19 5 32
	SEPT.	18 2 15	17 14 42
	OCT.	17 14 59	17 2 12
	○	1 9 21	1 16 35
	NOV.	16 3 43	15 16 22
	DEC.	15 16 27	15 9 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 701. B. March. d. h. m. 17 17 7		d. h. m.	d. h. m.
	JAN.	14 5 12	14 3 22
	FEB.	12 17 56	12 22 3
	MAR.	14 6 40	14 15 39
	APRIL	12 19 24	13 7 5
	○	27 13 46	27 7 53
	MAY	12 8 8	12 19 50
	JUNE	10 20 52	11 6 5
	JULY	10 9 36	10 14 36
	AUG.	8 22 20	8 22 25
	SEPT.	7 11 4	7 6 32
	OCT.	6 23 48	6 15 47
	○	21 18 10	21 21 49
	NOV.	5 12 32	5 2 39
	DEC.	5 1 16	4 15 27
702. A. 17 22 56	JAN.	3 14 0	3 6 9
	FEB.	2 2 44	1 22 25
	MAR.	3 15 28	3 15 32
	APRIL	2 4 12	2 8 34
	○	16 22 34	16 23 25
	MAY	1 16 56	2 0 31
		31 5 40	31 14 41
	JUNE	29 18 24	30 2 49
	JULY	29 7 8	29 13 15
	AUG.	27 19 52	27 22 42
	SEPT.	26 8 36	26 8 1
	○	11 2 58	10 21 37
	OCT.	25 21 20	25 17 49
	NOV.	24 10 4	24 4 29
	DEC.	23 22 48	23 16 10
703. G. 18 4 45	JAN.	22 11 33	22 4 55
	FEB.	21 0 17	20 18 42
	MAR.	22 13 1	22 9 29
	APRIL	21 1 45	21 1 1
	MAY	20 14 29	20 16 41
	JUNE	19 3 18	19 7 48
	JULY	18 15 57	18 21 58
	AUG.	17 4 41	17 10 40
	SEPT.	15 17 25	15 22 23
	OCT.	15 6 9	15 9 27
	NOV.	13 18 53	13 20 17
	DEC.	13 7 37	13 7 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 704. F.E. March. d. h. m. 17 10 34		d. h. m.	d. h. m.
	JAN.	11 20 21	11 17 59
	FEB.	10 9 5	10 5 0
	○	25 8 27	25 17 0
	MAR.	10 21 49	10 16 23
	APRIL	9 10 33	9 4 35
	MAY	8 23 17	8 17 56
	JUNE	7 12 1	7 8 30
	JULY	7 0 45	6 23 55
	AUG.	5 13 29	5 15 30
	○	20 7 51	19 21 26
	SEPT.	4 2 13	4 6 39
	OCT.	3 14 57	3 20 56
	NOV.	2 3 41	2 10 12
	DEC.	1 16 25	1 22 28
		31 5 9	31 9 47
705. D. 17 16 23	JAN.	29 17 53	29 20 11
	○	13 12 15	13 19 36
	FEB.	28 6 33	28 5 54
	MAR.	29 19 22	29 15 19
	APRIL	28 8 6	28 1 9
	MAY	27 20 50	27 12 13
	JUNE	26 9 34	26 1 7
	JULY	25 22 18	25 15 57
	○	9 16 40	9 13 59
	AUG.	24 11 2	24 8 18
	SEPT.	22 23 46	23 1 21
	OCT.	22 12 30	22 18 7
	NOV.	21 1 14	21 9 46
	DEC.	20 13 58	20 23 46
706. C. 17 22 12	JAN.	19 2 43	19 11 54
	○	2 21 5	2 19 11
	FEB.	17 15 27	17 22 13
	MAR.	19 4 11	19 7 5
	APRIL	17 16 55	17 15 6
	MAY	17 5 39	16 23 9
	JUNE	15 18 23	15 8 15
	JULY	15 7 7	14 19 20
	○	30 1 29	30 6 7
	AUG.	13 19 51	13 9 2
	SEPT.	12 8 35	12 1 15
	OCT.	11 21 19	11 19 17
	NOV.	10 10 8	10 13 54
	DEC.	9 22 47	10 7 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 707.		d. h. m.	d. h. m.
B. March. d. h. m. 18 4 0	JAN. .	8 11 31	8 23 29
	FEB. .	7 0 15	7 12 44
	MAR. .	8 12 59	8 23 25
	APRIL	7 1 43	7 8 11
	MAY .	6 14 27	6 15 18
	JUNE .	5 8 11	4 22 16
	JULY .	4 15 55	4 5 59
	AUG. .	3 4 39	2 15 35
	SEPT. .	1 17 23	1 3 54
	OCT. .	1 6 7 / 30 18 51	30 19 16 / 30 13 15
	NOV. .	29 7 35	29 8 38
	○ DEC. .	14 1 57 / 28 20 19	13 22 44 / 29 8 49
708. A.G. 17 9 49	JAN. .	27 9 4	27 21 12
	FEB. .	25 21 48	26 11 45
	MAR. .	26 10 32	26 23 17
	APRIL	24 23 16	25 8 14
	MAY .	24 12 0	24 15 29
	○ JUNE .	8 6 22 / 23 0 44	8 6 2 / 22 22 6
	JULY .	22 13 28	22 5 12
	AUG. .	21 2 12	20 13 53
	SEPT. .	19 14 56	19 1 1
	OCT. .	19 3 40	18 15 8
	NOV. .	17 16 24	17 8 9
	○ DEC. .	2 10 46 / 17 5 8	2 14 28 / 17 8 7
709. F. 17 15 38	JAN. .	15 17 52	15 22 33
	FEB. .	14 6 37	14 16 48
	MAR. .	15 19 21	16 8 34
	APRIL	14 8 5	14 21 20
	MAY .	13 20 49	14 7 16
	○ JUNE .	28 15 11	28 7 52
	JULY .	12 9 33	12 15 13
	AUG. .	11 22 17	11 22 16
	SEPT. .	10 11 1	10 5 29
	OCT. .	8 23 45	8 13 54
	NOV. .	8 12 29	8 0 17
	○ DEC. .	7 1 13 / 21 19 35	6 13 10 / 22 8 44
	DEC. .	6 13 57	6 4 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 710.		d. h. m.	d. h. m.
E. March. d. h. m. 17 21 27	JAN. .	5 2 41	4 22 4
	FEB. .	3 15 25	3 16 33
	MAR. .	5 4 9	5 10 41
	APRIL	3 16 53	4 3 11
	MAY .	3 5 37	3 17 15
	○ JUNE .	17 23 59	17 16 8
	JULY .	1 18 21	2 4 44
	AUG. .	1 7 5 / 30 19 49	1 14 7 / 30 22 19
	SEPT. .	29 8 33	29 6 23
	OCT. .	27 21 17	27 15 9
	NOV. .	27 10 1	27 1 18
	DEC. .	25 22 45	25 13 9
		25 11 29	25 2 49
711. D. 18 8 16	JAN. .	24 0 14	23 18 11
	FEB. .	22 12 58	22 10 42
	MAR. .	24 1 42	24 3 38
	○ APRIL	7 20 4 / 22 14 26	7 23 33 / 22 20 5
	MAY .	22 3 10	22 11 10
	JUNE .	20 15 54	21 0 25
	JULY .	20 4 33	20 11 48
	AUG. .	18 17 22	18 21 53
	SEPT. .	17 6 6	17 7 26
	OCT. .	16 18 50	16 17 9
	NOV. .	15 7 34	15 3 30
	DEC. .	14 20 18	14 14 39
712. C.B. 17 9 5	JAN. .	13 9 2	13 2 43
	FEB. .	11 21 47	11 15 44
	MAR. .	12 10 31	12 5 44
	○ APRIL	27 4 53	27 15 53
	MAY .	10 23 15	10 20 39
	JUNE .	10 11 59	10 12 8
	JULY .	9 0 43	9 3 35
	AUG. .	8 13 27	8 18 21
	SEPT. .	7 2 11	7 8 0
	○ OCT. .	5 14 55 / 20 9 17	5 20 30 / 19 19 31
	NOV. .	5 3 39	5 8 6
	DEC. .	3 16 23	3 19 15
		3 5 7	3 6 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 713. A.	JAN.	1 17 51	1 16 59
		31 6 35	31 8 45
	FEB.	...	...
March. d. h. m. 17 14 53	MAR. ○	1 19 19	1 14 39
		16 18 41	17 8 40
		31 8 8	31 2 5
	APRIL	29 20 47	29 14 34
	MAY	29 9 31	29 4 23
	JUNE	27 22 15	27 19 22
	JULY	27 10 59	27 11 8
	AUG.	25 23 43	26 2 44
	○ SEPT.	9 18 5	9 6 7
		24 12 27	24 17 47
	OCT.	24 1 11	24 7 52
	NOV.	22 18 55	22 20 50
	DEC.	22 2 39	22 8 42
714. G. 17 20 42	JAN.	20 15 24	20 19 31
	FEB.	19 4 8	19 5 21
	MAR.	20 16 52	20 14 36
	APRIL	19 5 36	18 23 53
	MAY	18 18 20	18 10 1
	JUNE	17 7 4	16 21 48
	JULY	16 19 48	16 11 38
	AUG.	15 8 32	15 3 25
	SEPT.	13 21 16	13 20 26
	OCT.	13 10 0	13 13 42
	NOV.	11 22 44	12 6 16
	DEC.	11 11 28	11 21 18
715. F. 18 2 31	JAN.	10 0 12	10 10 25
	○	24 18 34	24 14 15
	FEB.	8 12 56	8 21 32
	MAR.	10 1 40	10 6 54
	APRIL	8 14 24	8 15 4
	MAY	8 3 8	7 22 48
	JUNE	6 15 52	6 7 5
	JULY	6 4 36	5 16 59
	○	20 22 58	21 5 18
	AUG.	4 17 20	4 5 19
	SEPT.	3 6 4	2 20 24
	OCT.	2 18 48	2 18 49
	NOV.	1 7 32	1 8 29
		30 20 16	
	DEC.	30 9 0	1 3 1
			30 20 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 716. E.D.	○ JAN.	14 3 23	13 20 8
		28 21 45	29 10 38
March. d. h. m. 17 8 20	FEB.	27 10 29	27 22 29
	MAR.	27 23 13	28 7 54
	APRIL	26 11 57	26 15 35
	MAY	26 0 41	25 22 28
	JUNE	24 13 25	24 5 37
	○ JULY	9 7 47	9 14 32
		24 2 9	23 14 9
	AUG.	22 14 53	22 1 4
	SEPT.	21 3 37	20 15 0
	OCT.	20 16 21	20 7 52
	NOV.	19 5 5	19 2 50
	DEC.	18 17 49	18 22 22
717. C. 17 14 9	○ JAN.	2 12 12	2 8 48
		17 6 34	17 16 50
	FEB.	15 19 18	16 8 49
	MAR.	17 8 2	17 21 46
	APRIL	15 20 46	16 7 50
	MAY	15 9 30	15 15 44
	JUNE	13 22 14	13 22 31
	○	28 16 36	28 16 58
	JULY	13 10 58	13 5 17
	AUG.	11 23 42	11 13 7
	SEPT.	10 12 26	9 23 1
	OCT.	10 1 10	9 11 43
	NOV.	8 13 54	8 3 23
	DEC.	8 2 38	7 21 30
718. B. 17 19 58	JAN.	6 15 22	6 16 50
	FEB.	5 4 6	5 11 45
	MAR.	6 16 50	7 4 47
	APRIL	5 5 34	5 18 58
	MAY	4 18 18	5 6 14
	JUNE	3 7 2	3 15 4
	JULY	2 19 46	2 22 29
	AUG.	1 8 30	1 5 37
		30 21 14	30 13 28
	SEPT.	29 9 58	28 22 55
	OCT.	28 22 42	28 10 36
	○ NOV.	12 17 4	13 0 59
		27 11 26	27 0 46
	DEC.	27 0 10	26 17 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 719.			
A.	JAN. .	25 12 55	25 11 10
March.	FEB. .	24 1 39	24 5 26
d. h. m.	MAR. .	25 14 23	25 22 44
18 1 46	APRIL	24 3 7	24 14 0
	○	8 21 29	8 15 13
	MAY .	23 15 51	24 2 46
	JUNE .	22 4 35	22 13 12
	JULY .	21 17 19	21 22 2
	AUG. .	20 6 3	20 6 14
	SEPT. .	18 18 47	18 14 46
	OCT. .	18 7 31	18 0 20
	○	2 1 58	2 5 42
	NOV. .	16 20 15	16 11 22
	DEC. .	16 8 59	16 0 5
720.	JAN. .	14 21 44	14 14 29
G.F.	FEB. .	13 10 28	13 6 13
17 7 35	MAR. .	13 23 12	13 22 47
	APRIL	12 11 56	12 15 24
	○	27 6 18	27 7 5
	MAY .	12 0 40	12 7 9
	JUNE .	10 13 24	10 21 22
	JULY .	10 2 8	10 9 49
	AUG. .	8 14 52	8 20 41
	SEPT. .	7 3 36	7 6 40
	OCT. .	6 16 20	6 16 28
	○	21 10 42	21 5 17
	NOV. .	5 5 4	5 2 37
	DEC. .	4 17 48	4 13 26
721.	JAN. .	3 6 32	3 0 58
E.	FEB. .	1 19 16	1 13 16
17 13 24	MAR. .	3 8 0	3 2 28
	APRIL	1 20 44	1 16 39
	MAY .	1 9 28	1 7 39
		30 22 12	30 23 7
	JUNE .	29 10 56	29 14 21
	JULY .	28 23 40	29 4 46
	AUG. .	27 12 24	27 13 5
	SEPT. .	26 1 8	26 6 24
	OCT. .	25 13 52	25 18 0
	NOV. .	24 2 36	24 5 10
	DEC. .	23 15 20	23 16 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 722.			
D.	JAN. .	22 4 5	22 2 45
	FEB. .	20 16 49	20 13 19
March.	○	7 11 11	8 0 40
d. h. m.	MAR. .	22 5 33	22 0 8
17 19 13	APRIL	20 18 17	20 11 45
	MAY .	20 7 1	20 0 39
	JUNE .	18 19 45	18 14 59
	JULY .	18 8 29	18 6 27
	AUG. .	16 21 13	16 22 23
	○	31 15 35	31 5 20
	SEPT. .	15 9 57	15 14 6
	OCT. .	14 22 41	15 5 0
	NOV. .	13 11 25	13 18 47
	DEC. .	13 0 9	13 7 20
723.	JAN. .	11 12 54	11 18 40
C.	FEB. .	10 1 38	10 4 50
	○	24 20 0	25 3 4
18 1 2	MAR. .	11 14 22	11 14 6
	APRIL	10 3 6	9 23 1
	MAY .	9 15 50	9 8 24
	JUNE .	8 4 34	7 19 6
	JULY .	7 17 18	7 7 49
	AUG. .	6 6 2	5 22 42
	○	21 0 24	20 21 51
	SEPT. .	4 18 46	4 15 20
	OCT. .	4 7 30	4 8 52
	NOV. .	2 20 14	3 2 11
	DEC. .	2 8 58	2 18 14
		31 21 42	...
724.	JAN. .	...	1 8 27
B.A.		30 10 26	30 20 31
	○	14 4 48	14 2 49
	FEB. .	28 23 10	29 6 35
17 6 51	MAR. .	29 11 54	29 15 5
	APRIL	28 0 38	27 22 43
	MAY .	27 13 22	27 6 26
	JUNE .	26 2 6	25 15 18
	JULY .	25 14 50	25 2 20
	○	9 9 12	9 13 40
	AUG. .	24 3 34	23 16 6
	SEPT. .	22 16 18	22 8 33
	OCT. .	22 5 2	22 2 56
	NOV. .	20 17 46	20 21 53
	DEC. .	20 6 30	20 15 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 725. G. March. d. h. m. 17 12 39		d. h. m.	d. h. m.
	JAN.	18 19 15	19 7 50
	FEB.	17 7 59	17 21 0
	MAR.	18 20 43	19 7 27
	APRIL	17 9 27	17 15 47
	MAY	16 22 11	16 22 49
	JUNE	15 10 55	15 5 39
	JULY	14 23 39	14 13 20
	AUG.	13 12 28	12 22 59
	SEPT.	12 1 7	11 11 25
	OCT.	11 13 51	11 2 58
	NOV.	10 2 35	9 21 7
	DEC.	9 15 19	9 16 37
	○	24 9 41	24 7 41
726. F. 17 18 28	JAN.	8 4 3	8 11 49
	FEB.	6 16 47	7 5 8
	MAR.	8 5 31	8 19 34
	APRIL	6 18 15	7 6 56
	MAY	6 6 59	6 15 43
	JUNE	4 19 43	4 22 54
	○	19 14 5	19 12 26
	JULY	4 8 27	4 5 34
	AUG.	2 21 11	2 12 48
	SEPT.	1 9 55	31 21 40
		30 22 39	30 8 59
	OCT.	30 11 23	29 23 15
	NOV.	29 0 7	28 16 14
	○	18 18 29	18 23 24
	DEC.	28 12 51	28 11 5
727. E. 18 0 17	JAN.	27 1 36	27 6 19
	FEB.	25 14 20	26 0 19
	MAR.	27 3 4	27 15 55
	APRIL	25 15 48	26 4 34
	MAY	25 4 32	25 14 30
	○	8 22 54	8 14 33
	JUNE	23 17 16	23 22 34
	JULY	23 6 0	23 5 50
	AUG.	21 18 44	21 13 21
	SEPT.	20 7 28	19 22 4
	OCT.	19 20 12	19 8 41
	NOV.	18 8 56	17 21 38
	○	3 8 18	3 12 21
	DEC.	17 21 40	17 12 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 728. D.C. March. d. h. m. 17 6 6		d. h. m.	d. h. m.
	JAN.	16 10 25	16 6 5
	FEB.	14 23 9	15 0 7
	MAR.	15 11 53	15 17 51
	APRIL	14 0 37	14 10 8
	MAY	13 13 21	14 0 8
	○	28 7 43	27 23 19
	JUNE	12 2 5	12 11 44
	JULY	11 14 49	11 21 24
	AUG.	10 3 33	10 6 0
	SEPT.	8 16 17	8 14 29
	OCT.	8 5 1	7 23 38
	NOV.	6 17 45	6 10 2
	DEC.	6 6 29	5 21 54
729. B. 17 11 55	JAN.	4 19 13	4 11 20
	FEB.	3 7 57	3 2 11
	MAR.	4 20 41	4 18 8
	APRIL	3 9 25	3 10 34
	○	18 3 47	18 7 17
	MAY	2 22 9	3 2 43
	JUNE	1 10 53	1 17 45
		30 23 37	1 7 12
	JULY	30 12 21	30 19 1
	AUG.	29 1 5	29 5 38
	SEPT.	27 13 49	27 15 41
	OCT.	27 2 33	27 1 49
	NOV.	25 15 17	25 12 24
	DEC.	25 4 1	24 23 31
730. A. 17 17 44	JAN.	23 16 46	23 11 17
	FEB.	22 5 30	21 23 45
	MAR.	23 18 14	23 13 7
	○	7 12 36	7 23 37
	APRIL	22 6 58	22 3 30
	MAY	21 19 42	21 18 38
	JUNE	20 8 26	20 10 1
	JULY	19 21 10	20 1 2
	AUG.	18 9 54	18 15 11
	SEPT.	16 22 38	17 4 17
	○	1 17 0	1 3 20
	OCT.	16 11 22	16 16 23
	NOV.	15 0 6	15 4 2
	DEC.	14 12 50	14 15 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 731. G.		d. h. m.	d. h. m.
March. d. h. m. 17 28 32	JAN. .	13 1 35	13 1 52
	FEB. .	11 14 19	11 12 16
	MAR. .	13 8 3	12 22 38
	○	27 21 25	28 11 11
	APRIL	11 15 47	11 9 30
	MAY .	11 4 31	10 21 29
	JUNE .	9 17 15	9 10 56
	JULY .	9 5 59	9 1 52
	AUG. .	7 18 43	7 17 47
	SEPT. .	6 7 27	6 9 56
	○	21 1 49	20 14 13
	OCT. .	5 20 11	6 1 36
	NOV. .	4 8 55	4 16 15
	DEC. .	3 21 39	4 5 36
732. F.E.	JAN. .	2 10 23	2 17 36
		31 23 7	...
	FEB. .	...	1 4 13
17 5 21	MAR. .	1 11 51	1 18 42
		31 0 35	30 22 28
	APRIL	29 13 19	29 7 16
	MAY .	29 2 3	28 17 1
	JUNE .	27 14 47	27 4 33
	JULY .	27 3 31	26 18 21
	AUG. .	25 16 15	25 10 19
	SEPT. .	24 4 59	24 3 44
	OCT. .	23 17 43	23 21 32
	NOV. .	22 6 27	22 14 32
	DEC. .	21 19 11	22 5 53
733. D.	JAN. .	20 7 56	20 19 3
	○	4 2 18	3 22 7
	FEB. .	18 20 40	19 5 59
17 11 10	MAR. .	20 9 24	20 15 2
	APRIL	18 22 8	18 22 48
	MAY .	18 10 52	18 6 12
	JUNE .	16 23 36	16 14 17
	JULY .	16 12 20	16 0 3
	○	31 6 42	31 12 42
	AUG. .	15 1 4	14 12 25
	SEPT. .	13 13 48	13 3 39
	OCT. .	13 2 32	12 21 22
	NOV. .	11 15 16	11 16 22
	DEC. .	11 4 0	11 11 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 734. C.		d. h. m.	d. h. m.
March. d. h. m. 17 16 59	JAN. .	9 16 45	10 4 21
	○	24 11 7	24 4 33
	FEB. .	8 5 29	8 18 54
	MAR. .	9 18 13	10 6 34
	APRIL	8 6 57	8 15 43
	MAY .	7 19 41	7 23 11
	JUNE .	6 8 25	6 5 55
	JULY .	5 21 9	5 13 1
	○	20 15 31	20 21 24
	AUG. .	4 9 53	3 21 35
	SEPT. .	2 22 37	2 8 36
	OCT. .	2 11 21	1 22 42
			31 15 43
	NOV. .	1 0 5	
		30 12 49	30 10 48
	DEC. .	30 1 33	30 6 22
	○	13 19 55	13 17 36
735. B.	JAN. .	28 14 17	29 0 45
	FEB. .	27 3 1	27 16 37
17 22 48	MAR. .	28 15 45	29 5 25
	APRIL	27 4 29	27 15 19
	MAY .	26 17 13	26 23 10
	JUNE .	25 5 57	25 5 58
	○	10 0 19	9 23 27
	JULY .	24 18 41	24 12 52
	AUG. .	23 7 25	22 20 53
	SEPT. .	21 20 9	21 6 59
	OCT. .	21 8 53	20 19 50
	NOV. .	19 21 37	19 11 32
	DEC. .	19 10 21	19 5 32
736. A.G.	JAN. .	17 23 6	18 0 40
	FEB. .	16 11 50	16 19 19
17 4 37	MAR. .	17 0 34	17 12 8
	APRIL	15 13 18	16 2 11
	MAY .	15 2 2	15 13 25
	JUNE .	13 14 46	13 22 21
	JULY .	13 3 30	13 5 59
	AUG. .	11 16 14	11 13 24
	SEPT. .	10 4 58	9 21 34
	OCT. .	9 17 42	9 7 18
	NOV. .	8 6 26	7 19 8
	○	23 0 48	23 9 28
	DEC. .	7 19 10	7 9 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 737.		d. h. m.	d. h. m.
F. March. d. h. m. 17 10 25	JAN.	6 7 55	6 1 24
	FEB.	4 20 39	4 18 55
	MAR.	6 9 28	6 12 44
	APRIL	4 22 7	5 5 42
	MAY	4 10 51	4 20 50
	○	19 5 18	18 22 38
	JUNE	2 23 35	3 9 40
	JULY	2 12 19	2 20 20
	AUG.	1 1 3	1 5 38
		30 18 47	30 14 12
	SEPT.	29 2 31	28 23 8
	OCT.	28 15 15	28 9 1
	○	12 9 37	12 13 41
	NOV.	27 8 59	26 20 12
	DEC.	26 16 43	26 8 46
738. E. 17 16 14	JAN.	25 5 27	24 22 43
	FEB.	23 18 11	23 13 58
	MAR.	25 6 55	25 5 54
	APRIL	23 19 39	23 22 5
	○	8 14 1	8 14 40
	MAY	23 8 23	23 18 41
	JUNE	21 21 7	22 4 1
	JULY	21 9 51	21 16 49
	AUG.	19 22 35	20 4 12
	SEPT.	18 11 19	18 14 43
	OCT.	18 0 3	18 1 1
	○	1 18 25	1 13 2
	NOV.	16 12 47	16 11 30
	DEC.	16 1 31	15 22 22
739. D. 17 22 8	JAN.	14 14 15	14 9 41
	FEB.	13 2 59	12 21 32
	MAR.	14 15 44	14 10 8
	APRIL	13 4 28	12 23 43
	MAY	12 17 12	12 14 18
	JUNE	11 5 56	11 5 33
	JULY	10 18 40	10 20 54
	AUG.	9 7 24	9 11 44
	SEPT.	7 20 8	8 1 38
	OCT.	7 8 52	7 14 34
	NOV.	5 21 36	6 2 40
	DEC.	5 10 20	5 14 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 740.		d. h. m.	d. h. m.
C.B. March. d. h. m. 17 3 52	JAN.	3 23 5	4 1 2
	FEB.	2 11 49	2 11 25
	MAR.	3 0 33	2 21 31
	○	17 18 55	18 3 10
	APRIL	1 13 17	1 7 46
	MAY	1 2 1	30 18 51
		30 14 45	30 7 21
	JUNE	29 3 29	28 21 31
	JULY	28 16 13	28 13 5
	AUG.	27 4 57	27 5 24
	○	10 23 19	10 13 23
	SEPT.	25 17 41	25 21 41
	OCT.	25 6 25	25 13 10
	NOV.	23 19 9	24 3 25
	DEC.	23 7 53	23 16 11
741. A. 17 9 41	JAN.	21 20 37	22 3 27
	FEB.	20 9 21	20 13 17
	○	7 3 43	7 10 22
	MAR.	21 22 5	21 22 8
	APRIL	20 10 49	20 6 36
	MAY	19 23 33	19 15 34
	JUNE	18 12 17	18 1 58
	JULY	18 1 1	17 14 33
	AUG.	16 13 45	16 5 32
	○	31 8 7	31 5 49
	SEPT.	15 2 29	14 22 31
	OCT.	14 15 13	14 16 40
	NOV.	13 8 57	13 10 15
	DEC.	12 16 41	13 2 41
742. G. 17 15 30	JAN.	11 5 26	11 17 2
	FEB.	9 18 10	10 5 1
	○	24 12 32	24 10 23
	MAR.	11 6 54	11 14 48
	APRIL	9 19 38	9 22 56
	MAY	9 8 22	9 6 15
	JUNE	7 21 6	7 13 45
	JULY	7 9 50	6 22 28
	AUG.	5 22 34	5 9 28
	○	20 16 56	20 21 20
	SEPT.	4 11 18	3 23 21
	OCT.	4 0 2	3 16 1
	NOV.	2 12 46	2 10 41
	DEC.	2 1 30	2 5 55
		31 14 14	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 743. F.		d. h. m.	d. h. m.
	JAN.	...	1 0 8
		30 2 58	30 16 4
March. d. h. m. 17 21 18	FEB.	28 15 42	...
	MAR.	...	1 5 5
		30 4 26	30 15 19
	APRIL	28 17 10	28 23 25
	MAY	28 5 54	28 6 18
	JUNE	26 18 38	26 13 2
	JULY	26 7 22	25 20 46
	AUG.	24 20 6	24 6 31
	SEPT.	23 8 50	22 19 7
	OCT.	22 21 34	22 10 47
	NOV.	21 10 18	21 5 8
	DEC.	20 23 2	21 0 34
	○	4 17 24	4 16 37
744. E.D.	JAN.	19 11 47	19 19 45
	FEB.	18 0 31	18 12 56
17 3 7	MAR.	18 13 15	19 3 12
	APRIL	17 1 59	17 14 26
	MAY	16 14 43	16 23 9
	JUNE	15 3 27	15 6 21
	○	29 21 49	29 18 55
	JULY	14 16 11	14 13 7
	AUG.	13 4 55	12 20 33
	SEPT.	11 17 39	11 5 38
	OCT.	11 6 23	10 17 9
	NOV.	9 19 7	9 7 28
	DEC.	9 7 51	9 0 23
	○	24 2 13	24 8 20
745. C.	JAN.	7 20 36	7 19 2
	FEB.	6 9 20	6 13 57
17 8 56	MAR.	7 22 4	8 7 42
	APRIL	6 10 48	6 23 7
	MAY	5 23 32	6 11 42
	JUNE	4 12 16	4 21 43
	○	19 6 33	18 21 16
	JULY	4 1 0	4 5 58
	AUG.	2 13 44	2 13 30
	SEPT.	1 2 28	31 21 20
		30 15 12	30 6 24
	OCT.	30 3 56	29 17 14
	NOV.	28 16 40	28 6 12
	○	13 11 2	13 21 0
	DEC.	28 5 24	27 21 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 746. B.		d. h. m.	d. h. m.
March. d. h. m. 17 14 45	JAN.	26 18 8	26 13 59
	FEB.	25 6 52	25 7 33
	MAR.	26 19 36	27 0 53
	APRIL	25 8 20	25 16 54
	MAY	24 21 4	25 6 55
	○	8 15 26	8 6 28
	JUNE	23 9 48	23 18 43
	JULY	22 22 32	23 4 44
	AUG.	21 11 16	21 13 45
	SEPT.	20 0 0	19 22 41
	OCT.	19 12 44	19 8 15
	NOV.	18 1 28	17 18 51
	DEC.	17 14 12	17 6 41
747. A.	JAN.	16 2 56	15 19 47
	FEB.	14 15 41	14 10 7
17 20 34	MAR.	16 4 25	16 1 28
	APRIL	14 17 9	14 17 25
	○	29 11 31	29 14 58
	MAY	14 5 53	14 9 16
	JUNE	12 18 37	13 0 19
	JULY	12 7 21	12 14 2
	AUG.	10 20 5	11 2 19
	SEPT.	9 8 49	9 13 29
	OCT.	8 21 33	9 0 5
	NOV.	7 10 17	7 10 37
	DEC.	6 23 1	6 21 22
748. G.F.	JAN.	5 11 46	5 8 25
	FEB.	4 0 30	3 19 46
17 2 23	MAR.	4 13 14	4 7 40
	APRIL	3 1 58	2 20 26
	○	17 20 20	18 7 15
	MAY	2 14 42	2 10 16
	JUNE	1 3 26	1 1 6
		30 16 10	30 16 30
	JULY	30 4 54	30 7 49
	AUG.	28 17 38	28 22 29
	SEPT.	27 6 22	27 12 12
	○	12 0 44	11 11 21
	OCT.	26 19 6	27 0 57
	NOV.	25 7 50	25 12 53
	DEC.	24 20 34	25 0 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 749.		*d. h. m.*	*d. h. m.*
E.	JAN. .	23 9 18	23 10 40
March.	FEB. .	21 22 2	21 20 38
d. h. m.	MAR. .	23 10 46	23 6 30
17 8 11	○	7 5 8	7 18 30
	APRIL	21 23 30	21 16 48
	MAY .	21 12 14	21 4 19
	JUNE .	20 0 58	19 17 30
	JULY .	19 13 42	19 8 25
	AUG. .	18 2 26	18 0 37
	SEPT. .	16 15 10	16 17 16
	○	1 9 32	30 22 28
	OCT. .	16 3 54	16 9 31
	NOV. .	14 16 38	15 0 41
	DEC. .	14 5 22	14 14 22
750.	JAN. .	12 18 7	13 2 24
D.	FEB. .	11 6 51	11 12 49
17 14 0	MAR. .	12 19 35	12 21 55
	APRIL	11 8 19	11 6 14
	MAY .	10 21 3	10 14 37
	JUNE .	9 9 47	9 0 2
	JULY .	8 22 31	8 11 23
	AUG. .	7 11 15	7 1 13
	SEPT. .	5 23 59	5 17 23
	OCT. .	5 12 43	5 11 11
	NOV. .	4 1 27	4 5 27
	DEC. .	3 14 11	3 22 52
751.	JAN. .	2 2 55	2 14 25
C.		31 15 39	...
	FEB. .	...	1 3 33
	○	15 10 1	15 5 52
17 19 49	MAR. .	2 4 24	2 14 17
		31 17 8	31 23 0
	APRIL	30 5 52	30 6 28
	MAY .	29 18 36	29 13 36
	JUNE .	28 7 20	27 21 30
	JULY .	27 20 4	27 7 13
	○	11 14 26	11 20 10
	AUG. .	26 8 48	25 19 40
	SEPT. .	24 21 32	24 11 5
	OCT. .	24 10 16	24 5 2
	NOV. .	22 23 0	23 0 18
	DEC. .	22 11 44	22 19 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 752.		*d. h. m.*	*d. h. m.*
B.A.	JAN. .	21 0 28	21 12 32
	○	4 18 50	4 12 53
March.	FEB. .	19 13 12	20 2 59
d. h. m.	MAR. .	20 1 56	20 14 23
17 1 30	APRIL	18 14 40	18 23 25
	MAY .	18 3 24	18 6 42
	JUNE .	16 16 8	16 13 20
	JULY .	16 4 52	15 20 27
	○	30 23 14	31 4 18
	AUG. .	14 17 36	14 5 7
	SEPT. .	13 6 20	12 16 18
	OCT. .	12 19 4	12 6 32
	NOV. .	11 7 48	10 23 39
	DEC. .	10 20 32	10 18 44
753.	JAN. .	9 9 17	9 14 16
G.	○	24 3 39	24 2 20
	FEB. .	7 22 1	8 8 33
17 7 27	MAR. .	9 10 45	10 0 16
	APRIL	7 23 29	8 12 55
	MAY .	7 12 13	7 22 45
	JUNE .	6 0 57	6 6 34
	JULY .	5 13 41	5 13 28
	○	20 8 3	20 6 2
	AUG. .	4 2 25	3 20 31
	SEPT. .	2 15 9	2 4 48
	OCT. .	2 3 53	1 15 9
		31 16 37	31 4 7
	NOV. .	30 5 21	29 19 47
	DEC. .	29 18 5	29 13 35
754.	JAN. .	28 6 50	28 3 25
F.	FEB. .	26 19 34	27 2 46
17 13 16	MAR. .	28 8 18	28 19 19
	APRIL	26 21 2	27 9 17
	MAY .	26 9 46	26 20 32
	JUNE .	24 22 30	25 5 38
	JULY .	24 11 14	24 13 31
	AUG. .	22 23 58	22 21 16
	SEPT. .	21 12 42	21 5 49
	OCT. .	21 1 26	20 15 50
	NOV. .	19 14 10	19 3 47
	○	4 8 32	4 17 58
	DEC. .	19 2 54	18 17 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 755. E. March. d. h. m. 17 19 4	JAN.	17 15 38	17 9 31
	FEB.	16 4 22	16 2 32
	MAR.	17 17 6	17 19 53
	APRIL	16 5 50	16 12 31
	MAY	15 18 34	16 8 32
	○	30 12 56	30 5 49
	JUNE	14 7 18	14 16 30
	JULY	13 20 2	14 3 29
	AUG.	12 8 46	12 13 7
	SEPT.	10 21 30	10 22 14
	OCT.	10 10 14	10 7 38
	NOV.	8 22 58	8 17 49
	○	28 17 20	28 21 40
	DEC.	8 11 42	8 5 8
756. D.C. 17 0 53	JAN.	7 0 27	6 17 24
	FEB.	5 13 11	5 6 54
	MAR.	6 1 55	5 21 28
	APRIL	4 14 39	4 12 53
	MAY	4 3 23	4 4 42
	○	18 21 45	18 22 11
	JUNE	2 16 7	2 20 10
	JULY	2 4 51	2 10 41
		31 17 35	31 23 54
	AUG.	30 6 19	30 11 51
	SEPT.	28 19 3	28 22 57
	OCT.	28 7 47	28 9 42
	○	12 2 9	11 20 53
	NOV.	26 20 31	26 20 27
	DEC.	26 9 15	26 7 20
757. B. 17 6 42	JAN.	24 21 59	24 18 20
	FEB.	23 10 43	23 5 41
	MAR.	24 23 27	24 17 40
	APRIL	23 12 11	23 6 41
	○	8 6 33	8 15 7
	MAY	23 0 55	22 20 51
	JUNE	21 13 39	21 11 58
	JULY	21 2 23	21 3 30
	AUG.	19 15 7	19 18 47
	SEPT.	18 3 51	18 9 17
	OCT.	17 16 35	17 22 49
	NOV.	16 5 19	16 11 22
	DEC.	15 18 3	15 23 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 758. A. March. d. h. m. 17 12 31	JAN.	14 6 48	14 9 53
	FEB.	12 19 32	12 19 57
	MAR.	14 8 16	14 5 34
	○	29 2 38	29 15 29
	APRIL	12 21 0	12 15 18
	MAY	12 9 44	12 1 52
	JUNE	10 22 28	10 14 1
	JULY	10 11 12	10 4 4
	AUG.	8 23 56	8 19 48
	SEPT.	7 12 40	7 12 31
	○	22 7 2	21 21 35
	OCT.	7 1 24	7 5 20
	NOV.	5 14 8	5 21 24
	DEC.	5 2 52	5 12 3
759. G. 17 18 20	JAN.	3 15 37	4 0 58
	FEB.	2 4 21	2 12 6
	MAR.	3 17 5	3 21 40
	○	18 11 27	18 17 29
	APRIL	2 5 49	2 6 5
	MAY	1 18 33	1 14 7
		31 7 17	30 22 43
	JUNE	29 20 1	29 8 54
	JULY	29 8 45	28 21 26
	AUG.	27 21 29	27 12 33
	○	11 15 51	11 13 57
	SEPT.	26 10 13	26 5 50
	OCT.	25 22 57	26 0 14
	NOV.	24 11 41	24 18 25
	DEC.	24 0 25	24 11 8
760. F.E. 17 0 9	JAN.	22 13 9	23 1 31
	FEB.	21 1 53	21 13 20
	○	6 20 15	6 17 47
	MAR.	21 14 37	21 22 51
	APRIL	20 3 21	20 6 41
	MAY	19 16 5	19 13 43
	JUNE	18 4 49	17 21 2
	JULY	17 17 33	17 5 41
	AUG.	16 6 17	15 16 43
	○	31 0 39	31 5 7
	SEPT.	14 19 1	14 6 43
	OCT.	14 7 45	13 23 37
	NOV.	12 20 29	12 18 31
	DEC.	12 9 13	12 13 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 761.		d. h. m.	d. h. m.
D. March. d. h. m. 17 5 57	JAN.	10 21 58	11 8 16
	FEB.	9 10 42	10 0 9
	MAR.	10 23 26	11 13 2
	APRIL	9 12 10	9 23 4
	MAY	9 0 54	9 6 59
	JUNE	7 13 38	7 13 45
	JULY	7 2 22	6 20 29
	AUG.	5 15 6	5 4 18
	SEPT.	4 8 50	3 14 14
	OCT.	3 16 34	3 2 59
	NOV.	2 5 18	1 18 46
	DEC.	1 18 2	1 13 2
		31 6 46	31 8 32
762. C. 17 11 46	○	15 1 9	15 1 28
	JAN.	29 19 31	30 3 33
	FEB.	28 8 15	28 20 35
	MAR.	29 20 59	30 10 42
	APRIL	28 9 43	28 21 50
	MAY	27 22 27	28 6 31
	JUNE	26 11 11	26 13 46
	○	11 5 33	11 1 26
	JULY	25 23 55	25 20 43
	AUG.	24 12 39	24 4 24
	SEPT.	23 1 23	22 13 45
	OCT.	22 14 7	22 1 28
	NOV.	21 2 51	20 15 49
	DEC.	20 15 35	20 8 34
763. B. 17 17 35	○	4 9 57	4 17 12
	JAN.	19 4 19	19 2 53
	FEB.	17 17 3	17 21 28
	MAR.	19 5 47	19 14 57
	APRIL	17 18 31	18 6 8
	MAY	17 7 15	17 18 43
	JUNE	15 19 59	16 4 52
	○	30 14 21	30 4 2
	JULY	15 8 43	15 13 21
	AUG.	13 21 27	13 21 14
	SEPT.	12 10 11	12 5 29
	OCT.	11 22 55	11 14 52
	NOV.	10 11 39	10 1 54
	DEC.	10 0 23	9 14 48
	○	24 18 45	25 5 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 764.		d. h. m.	d. h. m.
A.G. March. d. h. m. 16 23 23	JAN.	8 13 8	8 5 35
	FEB.	7 1 52	6 21 49
	MAR.	7 14 36	7 14 53
	APRIL	6 3 20	6 7 47
	MAY	5 16 4	5 23 36
	JUNE	4 4 48	4 13 39
	○	18 23 10	18 13 39
	JULY	3 17 32	4 1 42
	AUG.	2 6 16	2 12 9
		31 19 0	31 21 40
	SEPT.	30 7 44	30 7 4
	OCT.	29 20 28	29 16 59
	NOV.	28 9 12	28 3 45
	DEC.	27 21 56	27 15 28
765. F. 17 5 12	JAN.	26 10 41	26 4 12
	FEB.	24 23 25	24 17 57
	MAR.	26 12 9	26 8 41
	APRIL	25 0 53	25 0 8
	○	9 19 15	9 22 33
	MAY	24 13 37	24 15 45
	JUNE	23 2 21	23 6 51
	JULY	22 15 5	22 20 55
	AUG.	21 3 49	21 9 43
	SEPT.	19 16 33	19 21 28
	OCT.	19 5 17	19 8 37
	NOV.	17 18 1	17 19 31
	DEC.	17 6 45	17 6 21
766. E. 17 11 1	JAN.	15 19 29	15 17 12
	FEB.	14 8 13	14 4 8
	MAR.	15 20 57	15 15 27
	APRIL	14 9 41	14 3 37
	○	29 4 3	29 14 45
	MAY	13 22 25	13 16 58
	JUNE	12 11 9	12 7 34
	JULY	11 23 53	11 23 0
	AUG.	10 12 37	10 14 39
	SEPT.	9 1 21	9 5 51
	OCT.	8 14 5	8 20 12
	○	23 8 27	22 19 30
	NOV.	7 2 49	7 9 30
	DEC.	6 15 33	6 21 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 767.		*d. h. m.*	*d. h. m.*
D.	JAN. .	5 4 18	5 9 1
March.	FEB. .	8 17 2	8 19 20
d. h. m.	MAR. .	5 5 46	5 4 55
17 16 50	APRIL	8 18 30	8 14 14
	○	18 12 52	19 1 42
	MAY .	8 7 14	8 0 2
	JUNE .	1 19 58	1 11 9
	JULY .	1 8 42	1 0 8
		30 21 26	30 15 6
	AUG. .	29 10 10	29 7 34
	SEPT. .	27 22 54	28 0 48
	○	12 17 16	12 6 53
	OCT. .	27 11 38	27 17 32
	NOV. .	26 0 22	26 9 11
	DEC. .	25 13 6	25 23 5
768.	JAN. .	24 1 51	24 11 6
C.B.	FEB. .	22 14 35	22 21 16
16 22 39	MAR. .	23 3 19	23 6 0
	APRIL	21 16 3	21 13 55
	MAY .	21 4 47	20 21 56
	JUNE .	19 17 31	19 7 4
	JULY .	19 6 15	18 18 18
	AUG. .	17 18 59	17 8 11
	SEPT. .	16 7 43	16 0 35
	OCT. .	15 20 27	15 18 47
	NOV. .	14 9 11	14 13 26
	DEC. .	13 21 55	14 7 11
769.	JAN. .	12 10 39	12 22 52
A.	FEB. .	10 23 23	11 11 55
	○	25 17 45	25 13 32
17 4 28	MAR. .	12 12 7	12 22 25
	APRIL	11 0 51	11 6 51
	MAY .	10 13 35	10 14 2
	JUNE .	9 2 19	8 20 57
	JULY .	8 15 3	8 4 45
	AUG. .	7 3 47	6 14 31
	○	21 22 9	22 3 42
	SEPT. .	5 16 31	5 3 3
	OCT. .	5 5 15	4 18 39
	NOV. .	3 17 59	3 12 48
	DEC. .	3 6 43	3 8 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 770.		*d. h. m.*	*d. h. m.*
G.	JAN. .	1 19 28	2 3 23
		31 8 12	31 20 35
March.	FEB. ○	15 2 34	14 21 8
d. h. m.	MAR. .	1 20 56	2 10 56
17 10 16		31 9 40	31 22 14
	APRIL	29 22 24	30 7 1
	MAY .	29 11 8	29 14 10
	JUNE .	27 23 52	27 20 47
	JULY .	27 12 36	27 3 59
	○	11 6 58	11 11 17
	AUG. .	26 1 20	25 12 50
	SEPT. .	24 14 4	24 0 11
	OCT. .	24 2 48	23 14 32
	NOV. .	22 15 32	22 7 42
	DEC. .	22 4 16	22 2 44
771.	JAN. .	20 17 0	20 22 6
F.	○	4 11 22	4 10 58
	FEB. .	19 5 44	19 16 10
17 16 5	MAR. .	20 18 28	21 7 44
	APRIL	19 7 12	19 20 15
	MAY .	18 19 56	19 6 3
	JUNE .	17 8 40	17 13 55
	JULY .	16 21 24	16 20 59
	○	31 15 46	31 12 33
	AUG. .	15 10 8	15 4 18
	SEPT. .	13 22 52	13 12 52
	OCT. .	13 11 36	12 23 27
	NOV. .	12 0 20	11 12 30
	DEC. .	11 13 4	11 4 5
772.	JAN. .	10 1 49	9 21 36
E.D.	FEB. .	8 14 33	8 16 2
16 21 54	MAR. .	9 3 17	9 10 1
	APRIL	7 16 1	8 2 21
	MAY .	7 4 45	7 16 13
	JUNE .	5 17 29	6 3 35
	JULY .	5 6 13	5 12 54
	AUG. .	3 18 57	3 21 8
	SEPT. .	2 7 41	2 5 18
	OCT. .	1 20 25	1 14 13
		31 9 9	31 0 30
	NOV. .	29 21 53	29 12 28
	○	14 16 15	15 2 25
	DEC. .	29 10 37	29 2 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 773. C. March. d. h. m. 17 3 43	JAN. .	27 23 21	27 17 33
	FEB. .	26 12 6	26 10 3
	MAR. .	28 0 50	28 2 53
	APRIL	26 13 34	26 19 13
	MAY .	26 2 18	26 10 12
	○	9 20 40	9 13 6
	JUNE .	24 15 2	24 23 20
	JULY .	24 3 46	24 10 42
	AUG. .	22 16 30	22 20 50
	SEPT. .	21 5 14	21 6 27
	OCT. .	20 17 58	20 16 16
	NOV. .	19 6 42	19 2 42
	○	4 1 4	4 5 43
	DEC. .	18 19 26	18 13 56
774. B. 17 9 32	JAN. .	17 8 10	17 1 59
	FEB. .	15 20 54	15 14 57
	MAR. .	17 9 38	17 4 55
	APRIL	15 22 22	15 19 46
	MAY .	15 11 6	15 11 14
	○	30 5 28	30 5 38
	JUNE .	13 23 50	14 2 38
	JULY .	13 12 34	13 17 23
	AUG. .	12 1 18	12 7 2
	SEPT. .	10 14 2	10 19 34
	OCT. .	10 2 46	10 7 15
	NOV. .	8 15 30	8 18 27
	○	28 9 52	28 4 51
	DEC. .	8 4 14	8 5 24
775. A. 17 15 21	JAN. .	6 16 59	6 16 13
	FEB. .	5 5 43	5 2 55
	MAR. .	6 18 27	6 13 44
	APRIL	5 7 11	5 1 7
	MAY .	4 19 55	4 13 34
	○	19 14 17	19 22 32
	JUNE .	3 8 39	3 3 25
	JULY .	2 21 23	2 18 27
	AUG. .	1 10 7	1 10 12
		30 22 51	31 1 56
	SEPT. .	29 11 35	29 17 3
	OCT. .	29 0 19	29 7 10
	NOV. .	27 13 3	27 20 9
	DEC. .	27 1 47	27 7 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 776. G.F. March. d. h. m. 16 21 9	JAN. .	25 14 32	25 18 40
	FEB. .	24 3 16	24 4 23
	MAR. .	24 16 0	24 13 32
	○	8 10 22	8 22 39
	APRIL	23 4 44	22 22 45
	MAY .	22 17 28	22 8 54
	JUNE .	21 6 12	20 20 45
	JULY .	20 18 56	20 10 43
	AUG. .	19 7 40	19 2 37
	SEPT. .	17 20 24	17 19 46
	○	2 14 46	2 5 56
	OCT. .	17 9 8	17 13 7
	NOV. .	15 21 52	16 5 42
	DEC. .	15 10 36	15 20 41
777. E. 17 2 58	JAN. .	13 23 20	14 9 40
	FEB. .	12 12 4	12 20 38
	MAR. .	14 0 48	14 5 51
	○	28 19 10	29 0 29
	APRIL	12 13 32	12 13 58
	MAY .	12 2 16	11 21 32
	JUNE .	10 15 0	10 5 51
	JULY .	10 3 44	9 15 52
	AUG. .	8 16 28	8 4 24
	SEPT. .	7 5 12	6 19 41
	○	21 23 34	21 22 13
	OCT. .	6 17 56	6 13 16
	NOV. .	5 6 40	5 8 3
	DEC. .	4 19 24	5 2 35
778. D. 17 8 47	JAN. .	3 8 9	3 19 30
	FEB. .	1 20 53	2 9 54
	MAR. .	3 9 37	3 21 32
	○	18 3 59	18 1 5
	APRIL	1 22 21	2 6 47
	MAY .	1 11 5	1 14 21
		30 23 49	30 21 10
	JUNE .	29 12 33	29 4 22
	JULY .	29 1 17	28 13 1
	AUG. .	27 14 1	27 0 8
	○	11 8 23	11 13 0
	SEPT. .	26 2 45	25 14 17
	OCT. .	25 15 29	25 7 21
	NOV. .	24 4 13	24 2 26
	DEC. .	23 16 57	23 21 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 779. C. March. d. h. m. 17 14 36	JAN.	22 5 42	22 16 18
	FEB.	20 18 26	21 8 6
	MAR.	22 7 10	22 20 48
	APRIL	20 19 54	21 6 41
	MAY	20 8 38	20 14 27
	JUNE	18 21 22	18 21 12
	JULY	18 10 6	18 4 2
	AUG.	16 22 50	16 12 0
	SEPT.	15 11 34	14 22 7
	OCT.	15 0 18	14 11 0
	NOV.	13 18 2	13 2 52
	DEC.	13 1 46	12 21 5
780. B.A. 16 20 25	JAN.	11 14 30	11 16 25
	○	26 8 52	26 10 13
	FEB.	10 8 14	10 11 13
	MAR.	10 15 58	11 4 2
	APRIL	9 4 42	9 18 0
	MAY	8 17 26	9 5 4
	JUNE	7 6 10	7 13 49
	JULY	6 18 54	6 21 13
	○	21 13 16	21 8 0
	AUG.	5 7 38	5 4 24
	SEPT.	3 20 22	3 12 24
	OCT.	3 9 6	2 22 2
	NOV.	1 21 50	1 9 53
	DEC.	1 10 34	1 0 13
		30 23 19	30 16 45
781. G. 17 2 14	○	14 17 41	15 2 1
	JAN.	29 12 3	29 10 41
	FEB.	28 0 47	28 4 50
	MAR.	29 13 31	29 21 57
	APRIL	28 2 15	28 13 4
	MAY	27 14 59	28 1 40
	JUNE	26 3 43	26 12 0
	○	10 22 5	10 10 52
	JULY	25 16 27	25 20 51
	AUG.	24 5 11	24 5 7
	SEPT.	22 17 55	22 13 46
	OCT.	22 6 39	21 23 28
	NOV.	20 19 23	20 10 39
	DEC.	20 8 7	19 23 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 782. F. March. d. h. m. 17 8 2	○	4 2 30	4 14 7
	JAN.	18 20 52	18 13 52
	FEB.	17 9 36	17 5 34
	MAR.	18 22 20	18 22 3
	APRIL	17 11 4	17 14 33
	MAY	16 23 48	17 6 13
	JUNE	15 12 32	15 20 21
	○	30 6 54	29 20 53
	JULY	15 1 16	15 8 44
	AUG.	13 14 0	13 19 33
	SEPT.	12 2 44	12 5 40
	OCT.	11 15 28	11 15 34
	NOV.	10 4 12	10 1 49
	DEC.	9 16 56	9 12 41
783. E. 17 13 51	JAN.	8 5 40	8 0 14
	FEB.	6 18 24	6 12 30
	MAR.	8 7 8	8 1 39
	APRIL	6 19 52	6 15 47
	MAY	6 8 36	6 6 46
	JUNE	4 21 20	4 22 12
	JULY	4 10 4	4 13 25
	AUG.	2 22 48	3 3 49
	SEPT.	1 11 32	1 17 12
	OCT.	1 0 16	1 5 33
		30 13 0	30 17 12
	NOV.	29 1 44	29 4 25
	DEC.	28 14 28	28 15 19
784. D.C. 16 19 40	JAN.	27 3 13	27 1 56
	FEB.	25 15 57	25 12 24
	MAR.	26 4 41	25 23 9
	APRIL	24 17 25	24 10 44
	○	9 11 47	9 22 9
	MAY	24 6 9	23 23 40
	JUNE	22 18 53	22 14 3
	JULY	22 7 37	22 5 34
	AUG.	20 20 21	20 21 36
	SEPT.	19 9 5	19 13 22
	OCT.	18 21 49	19 4 19
	○	2 16 11	2 8 48
	NOV.	17 10 33	17 18 7
	DEC.	16 23 17	17 6 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 785.		d. h. m.	d. h. m.
B. March. d. h. m. 17 1 29	JAN. .	15 12 1	15 17 51
	FEB. .	14 0 45	14 8 53
	MAR. .	15 18 29	15 13 8
	APRIL	14 2 13	13 21 52
	○	28 20 35	29 8 46
	MAY .	13 14 57	13 7 13
	JUNE .	12 8 41	11 17 59
	JULY .	11 16 25	11 6 49
	AUG. .	10 5 9	9 21 51
	SEPT. .	8 17 53	8 14 39
	OCT. .	8 6 37	8 8 18
	○	28 0 59	22 15 25
	NOV. .	6 19 21	7 1 36
	DEC. .	6 8 5	6 17 39
786. A. 17 7 18	JAN. .	4 20 50	5 7 46
	FEB. .	3 9 34	3 19 41
	MAR. .	4 22 18	5 5 35
	APRIL	3 11 2	3 13 56
	MAY .	2 23 46	2 21 28
	JUNE .	1 12 30	1 5 12
	JULY .	1 1 14	30 14 9
		30 13 58	30 1 19
	AUG. .	29 2 42	28 15 16
	SEPT. .	27 15 26	27 7 56
	OCT. .	27 4 10	27 2 23
	NOV. .	25 16 54	25 21 28
	DEC. .	25 5 38	25 15 26
787. G. 17 13 7	JAN. .	23 18 23	24 7 12
	FEB. .	22 7 7	22 20 9
	○	9 1 29	8 21 5
	MAR. .	23 19 51	24 6 24
	APRIL	22 8 35	22 14 33
	MAY .	21 21 19	21 21 32
	JUNE .	20 10 3	20 4 21
	JULY .	19 22 47	19 12 9
	AUG. .	18 11 31	17 21 58
	○	2 5 53	2 11 22
	SEPT. .	17 0 15	16 10 37
	OCT. .	16 12 59	16 2 24
	NOV. .	15 1 43	14 20 42
	DEC. .	14 14 27	14 16 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 788.		d. h. m.	d. h. m.
F.E. March. d. h. m. 16 18 55	JAN. .	13 3 11	13 11 22
	FEB. .	11 15 55	12 4 30
	○	26 10 17	26 5 15
	MAR. .	12 4 39	12 18 42
	APRIL	10 17 23	11 5 50
	MAY .	10 6 7	10 14 29
	JUNE .	8 18 51	8 21 36
	JULY .	8 7 35	8 4 17
	AUG. .	6 20 19	6 11 37
	○	21 14 41	21 18 21
	SEPT. .	5 9 3	4 20 40
	OCT. .	4 21 47	4 8 12
	NOV. .	3 10 31	2 22 39
	DEC. .	2 23 15	2 15 47
789. D. 17 0 44	JAN. .	1 11 59	1 10 40
		31 0 43	31 5 48
	FEB. ○	14 19 5	14 19 29
	MAR. .	1 13 28	1 23 40
		31 2 12	31 15 3
	APRIL	29 14 56	30 3 30
	MAY .	29 3 40	29 13 17
	JUNE .	27 16 24	27 21 19
	JULY .	27 5 8	27 4 35
	○	10 23 30	10 19 3
	AUG. .	25 17 52	25 12 14
	SEPT. .	24 6 36	23 21 6
	OCT. .	23 19 20	23 7 55
	NOV. .	22 8 4	21 21 0
	DEC. .	21 20 48	21 12 24
790. C. 17 6 33	JAN. .	20 9 33	20 5 34
	FEB. .	18 22 17	18 23 33
	MAR. .	20 11 1	20 17 9
	APRIL	18 23 45	19 9 15
	MAY .	18 12 29	18 23 6
	JUNE .	17 1 13	17 10 36
	JULY .	16 13 57	16 20 14
	AUG. .	15 2 41	15 4 52
	SEPT. .	13 15 25	13 13 26
	OCT. .	13 4 9	12 22 44
	NOV. .	11 16 53	11 9 16
	DEC. .	11 5 37	10 21 14
	○	25 23 59	26 10 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 791.		d. h. m.	d. h. m.
B. March. d. h. m. 17 12 22	JAN.	9 18 21	9 10 42
	FEB.	8 7 5	8 1 32
	MAR.	9 19 49	9 17 25
	APRIL	8 8 33	8 9 47
	MAY	7 21 17	8 1 49
	JUNE	6 10 1	6 16 46
	○	21 4 23	20 20 23
	JULY	5 22 45	6 6 10
	AUG.	4 11 29	4 17 57
	SEPT.	3 0 13	3 4 37
	OCT.	2 12 57	2 14 45
	NOV.	1 1 41	1 1 0
		30 14 25	30 11 38
	○	15 8 47	15 13 45
	DEC.	30 3 9	29 22 48
792. A.G. 16 18 11	JAN.	28 15 54	28 10 31
	FEB.	27 4 38	26 22 56
	MAR.	27 17 22	27 12 16
	APRIL	26 6 6	26 2 36
	MAY	25 18 50	25 17 42
	○	9 13 12	9 13 5
	JUNE	24 7 34	24 9 5
	JULY	23 20 18	24 0 7
	AUG.	22 9 2	22 14 17
	SEPT.	20 21 46	21 3 26
	OCT.	20 10 30	20 15 41
	NOV.	18 23 14	19 3 17
	○	8 17 36	3 12 50
	DEC.	18 11 58	18 14 24
793. F. 17 0 0	JAN.	17 0 43	17 1 4
	FEB.	15 13 27	15 11 23
	MAR.	17 2 11	16 21 39
	APRIL	15 14 55	15 8 28
	MAY	15 3 39	14 20 26
	○	29 22 1	30 5 53
	JUNE	13 16 23	13 9 57
	JULY	13 5 7	13 0 58
	AUG.	11 17 51	11 16 58
	SEPT.	10 6 35	10 9 13
	OCT.	9 19 19	10 0 56
	NOV.	8 8 3	8 15 36
	DEC.	7 20 47	8 4 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 794.		d. h. m.	d. h. m.
E. March. d. h. m. 17 5 48	JAN.	6 9 31	6 16 50
	FEB.	4 22 15	5 3 20
	MAR.	6 10 59	6 12 41
	APRIL	4 23 43	4 21 20
	MAY	4 12 27	4 6 6
	JUNE	3 1 11	2 15 52
	JULY	2 13 55	2 3 30
	AUG.	1 2 39	31 17 28
		30 15 23	30 9 35
	SEPT.	29 4 7	29 3 9
	○	13 22 29	13 14 25
	OCT.	28 16 51	28 21 1
	NOV.	27 5 35	27 14 1
	DEC.	26 18 19	27 5 15
795. D. 17 11 37	JAN.	25 7 4	25 18 17
	FEB.	23 19 48	24 5 2
	MAR.	25 8 32	25 13 54
	○	9 2 54	9 7 24
	APRIL	23 21 16	23 21 35
	MAY	23 10 0	23 4 57
	JUNE	21 22 44	21 13 3
	JULY	21 11 28	20 22 58
	AUG.	20 0 12	19 11 32
	SEPT.	18 12 56	18 3 0
	○	3 7 18	3 6 36
	OCT.	18 1 40	17 20 52
	NOV.	16 14 24	16 15 58
	DEC.	16 3 8	16 10 44
796. C.B. 16 17 26	JAN.	14 15 53	15 3 46
	FEB.	13 4 37	13 18 7
	MAR.	13 17 21	14 5 34
	○	28 11 43	28 8 17
	APRIL	12 6 5	12 14 34
	MAY	11 18 49	11 21 54
	JUNE	10 7 33	10 4 36
	JULY	9 20 17	9 11 46
	AUG.	8 9 1	7 20 29
	SEPT.	6 21 45	6 7 44
	○	21 16 7	21 21 1
	OCT.	6 10 29	5 22 1
	NOV.	4 23 13	4 15 14
	DEC.	4 11 57	4 10 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 797.		d. h. m.	d. h. m.
A. March. d. h. m. 16 23 15	JAN. .	3 0 41	3 5 56
	FEB. .	1 13 25	2 0 11
	MAR. .	3 2 9	3 15 50
	APRIL	1 14 53	2 4 25
	MAY .	1 3 37	1 14 9
		30 16 21	30 21 52
	JUNE .	29 5 5	29 4 40
	JULY .	28 17 49	28 11 38
	AUG. .	27 6 33	26 19 48
	SEPT. .	25 19 17	25 6 7
	OCT. .	25 8 1	24 19 10
	NOV. .	23 20 45	23 11 2
	DEC. .	23 9 29	23 5 7
798. G. 17 5 4	JAN. .	21 22 14	22 0 13
	○	5 16 36	5 18 54
	FEB. .	20 10 58	20 18 44
	MAR. .	21 23 42	22 11 21
	APRIL	20 12 26	21 1 12
	MAY .	20 1 10	20 12 16
	JUNE .	18 13 54	18 21 7
	JULY .	18 2 38	18 4 44
	○	1 21 0	1 14 40
	AUG. .	16 15 22	16 12 14
	SEPT. .	15 4 6	14 20 33
	OCT. .	14 16 50	14 6 28
	NOV. .	13 5 34	12 18 27
	DEC. .	12 18 18	12 8 40
799. F. 17 10 53	JAN. .	11 7 2	11 0 51
	○	26 1 24	26 10 42
	FEB. .	9 19 46	9 18 20
	MAR. .	11 8 30	11 12 4
	APRIL	9 21 14	10 4 52
	MAY .	9 9 58	9 19 51
	JUNE .	7 22 42	8 8 32
	JULY .	7 11 26	7 19 10
	○	22 5 48	21 17 48
	AUG. .	6 0 10	6 4 23
	SEPT. .	4 12 54	4 13 6
	OCT. .	4 1 38	3 22 11
	NOV. .	2 14 22	2 8 12
	DEC. .	2 3 6	1 19 28
		31 15 50	31 8 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 800. E.D. March. d. h. m. 16 16 41		d. h. m.	d. h. m.
	○	15 10 13	15 22 32
	JAN. .	30 4 35	29 22 4
	FEB. .	28 17 19	28 13 11
	MAR. .	29 6 3	29 5 7
	APRIL	27 18 47	27 21 13
	MAY .	27 7 31	27 12 44
	JUNE .	25 20 15	26 3 1
	○	10 14 37	10 4 10
	JULY .	25 8 59	25 15 46
	AUG. .	23 21 43	24 3 12
	SEPT. .	22 10 27	22 13 48
	OCT. .	21 23 11	22 0 11
	NOV. .	20 11 55	20 10 43
	DEC. .	20 0 39	19 21 37
801. C. 16 22 30	JAN. .	18 13 24	18 8 56
	FEB. .	17 2 8	16 20 43
	MAR. .	18 14 52	18 9 15
	APRIL	17 3 36	16 22 48
	MAY .	16 16 20	16 13 21
	JUNE .	15 5 4	15 4 36
	JULY .	14 17 48	14 19 58
	AUG. .	13 6 32	13 10 51
	SEPT. .	11 19 16	12 0 48
	OCT. .	11 8 0	11 13 47
	NOV. .	9 20 44	10 1 54
	DEC. .	9 9 28	9 13 22
802. B. 17 4 19	JAN. .	7 22 12	8 0 14
	FEB. .	6 10 56	6 10 31
	MAR. .	7 23 40	7 20 32
	APRIL	6 12 24	6 6 42
	MAY .	6 1 8	5 17 47
	○	20 19 30	21 5 27
	JUNE .	4 13 52	4 6 19
	JULY .	4 2 36	3 20 32
	AUG. .	2 15 20	2 12 14
	SEPT. .	1 4 4	1 4 39
		30 16 48	30 21 0
	OCT. .	30 5 32	30 12 32
	○	13 23 54	13 12 11
	NOV. .	28 18 16	29 2 45
	DEC. .	28 7 0	28 15 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 803. A. March. d. h. m. 17 10 8	JAN.	26 19 45	27 2 36
	FEB.	25 8 29	25 12 20
	MAR.	26 21 13	26 21 8
	APRIL	25 9 57	25 5 25
	○	10 4 19	10 15 43
	MAY	24 22 41	24 14 22
	JUNE	23 11 25	23 0 52
	JULY	23 0 9	22 13 35
	AUG.	21 12 53	21 4 45
	SEPT.	20 1 37	19 21 54
	OCT.	19 14 21	19 15 59
	○	8 8 43	3 0 5
	NOV.	18 3 5	18 9 46
	DEC.	17 15 49	18 2 9
804. G.F. 16 15 57	JAN.	16 4 34	16 16 21
	FEB.	14 17 18	15 4 8
	MAR.	15 6 2	15 13 45
	APRIL	13 18 46	13 21 45
	MAY	13 7 30	13 5 0
	JUNE	11 20 14	11 12 29
	JULY	11 8 58	10 21 19
	AUG.	9 21 42	9 8 29
	SEPT.	8 10 26	7 22 34
	OCT.	7 23 10	7 15 28
	NOV.	6 11 54	6 10 16
	DEC.	6 0 38	6 5 31
805. E. 16 21 46	JAN.	4 13 22	4 23 39
	FEB.	3 2 6	3 15 23
	MAR.	4 14 50	5 4 11
	APRIL	3 8 34	3 14 13
	MAY	2 16 18	2 22 10
	JUNE	1 5 2	1 4 59
		30 17 46	30 11 46
	JULY	30 6 30	29 19 36
	AUG.	28 19 14	28 5 32
	○	12 13 36	12 19 7
	SEPT.	27 7 58	26 18 21
	OCT.	26 20 42	26 10 15
	NOV.	25 9 26	25 4 38
	DEC.	24 22 10	25 0 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 806. D. March. d. h. m. 17 3 34	JAN.	23 10 55	23 19 16
	FEB.	21 23 39	22 12 15
	○	8 18 1	8 13 16
	MAR.	23 12 23	24 2 18
	APRIL	22 1 7	22 13 19
	MAY	21 13 51	21 21 53
	JUNE	20 2 35	20 5 2
	JULY	19 15 19	19 11 49
	AUG.	18 4 8	17 19 23
	○	1 22 25	2 1 33
	SEPT.	16 16 47	16 4 40
	OCT.	16 5 31	15 16 24
	NOV.	14 18 15	14 6 54
	DEC.	14 6 59	13 23 57
807. C. 17 9 23	JAN.	12 19 44	12 18 36
	FEB.	11 8 28	11 13 26
	○	26 2 50	26 8 54
	MAR.	12 21 12	13 7 0
	APRIL	11 9 56	11 22 12
	MAY	10 22 40	11 10 37
	JUNE	9 11 24	9 20 29
	JULY	9 0 8	9 4 43
	AUG.	7 12 52	7 12 17
	○	22 7 14	22 2 15
	SEPT.	6 1 36	5 20 16
	OCT.	5 14 20	5 5 29
	NOV.	4 3 4	3 16 29
	DEC.	3 15 48	3 5 35
808. B.A. 16 15 12	JAN.	2 4 32	1 20 43
		31 17 16	31 13 27
	FEB.	...	...
	MAR.	1 6 0	1 6 56
		30 18 44	31 0 7
	APRIL	29 7 28	29 16 0
	MAY	28 20 12	29 5 53
	JUNE	27 8 56	27 17 35
	JULY	26 21 40	27 3 35
	AUG.	25 10 24	25 12 40
	SEPT.	23 23 8	23 21 42
	OCT.	23 11 52	23 7 24
	NOV.	22 0 36	21 18 6
	DEC.	21 13 20	21 6 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 809. G.		d. h. m.	d. h. m.
	○	5 7 43	5 19 26
	JAN.	20 2 5	19 19 7
March. d. h. m. 16 21 1	FEB.	18 14 49	18 9 25
	MAR.	20 3 33	20 0 42
	APRIL	18 16 17	18 16 34
	MAY	18 5 1	18 8 21
	JUNE	16 17 45	16 23 19
	○	1 12 7	1 8 44
	JULY	16 6 29	16 13 1
	AUG.	14 19 13	15 1 19
	SEPT.	13 7 57	13 12 32
	OCT.	12 20 41	12 23 13
	NOV.	11 9 25	11 9 50
	DEC.	10 22 9	10 20 38
	○	25 16 31	25 21 47
810. F.	JAN.	9 10 53	9 7 37
	FEB.	7 23 37	7 18 56
17 2 50	MAR.	9 12 21	9 6 46
	APRIL	8 1 5	7 19 30
	MAY	7 13 49	7 9 18
	JUNE	6 2 33	6 0 9
	○	20 20 55	20 20 32
	JULY	5 15 17	5 15 34
	AUG.	4 4 1	4 6 55
	SEPT.	2 16 45	2 21 37
	OCT.	2 5 29	2 11 23
		31 18 13	
	NOV.	30 6 57	1 0 11
			30 12 9
	○	15 1 19	14 20 52
	DEC.	29 19 41	29 23 19
811. E.	JAN.	28 8 26	28 9 48
	FEB.	26 21 10	26 19 42
17 8 39	MAR.	28 9 54	28 5 27
	APRIL	26 22 38	26 15 43
	MAY	26 11 22	26 3 15
	○	10 5 44	10 13 11
	JUNE	25 0 6	24 16 31
	JULY	24 12 50	24 7 34
	AUG.	23 1 34	22 23 51
	SEPT.	21 14 18	21 16 36
	OCT.	21 3 2	21 8 54
	NOV.	19 15 46	20 0 4
	DEC.	19 4 30	19 13 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 812. D.C.		d. h. m.	d. h. m.
March. d. h. m. 16 14 27	JAN.	17 17 15	18 1 36
	FEB.	16 5 59	16 11 52
	MAR.	16 18 43	16 20 51
	APRIL	15 7 27	15 5 5
	MAY	14 20 11	14 13 25
	JUNE	13 8 55	12 22 53
	JULY	12 21 39	12 10 22
	AUG.	11 10 23	11 0 21
	SEPT.	9 23 7	9 16 42
	OCT.	9 11 51	9 10 39
	○	24 6 13	23 23 4
	NOV.	8 0 35	8 4 58
	DEC.	7 13 19	7 22 22
813. B.	JAN.	6 2 3	6 13 47
	FEB.	4 14 47	5 2 44
16 20 16	MAR.	6 3 31	6 18 16
	APRIL	4 16 15	4 21 50
	○	19 10 37	19 14 8
	MAY	4 4 59	4 5 12
	JUNE	2 17 43	2 12 19
	JULY	2 6 27	1 20 16
		31 19 11	31 6 10
	AUG.	30 7 55	29 18 48
	SEPT.	28 20 39	28 10 27
	○	13 15 1	13 15 7
	OCT.	28 9 23	28 4 33
	NOV.	26 22 7	26 23 54
	DEC.	26 10 51	26 18 52
814. A.	JAN.	24 23 36	25 11 56
	FEB.	23 12 20	24 2 10
17 2 5	MAR.	25 1 4	25 13 27
	○	8 19 26	8 15 22
	APRIL	23 13 48	23 22 14
	MAY	23 2 32	23 5 24
	JUNE	21 15 16	21 12 2
	JULY	21 4 0	20 19 13
	AUG.	19 16 44	19 4 3
	SEPT.	18 5 23	17 15 27
	○	2 23 50	3 5 8
	OCT.	17 18 12	17 5 54
	NOV.	16 6 56	15 23 12
	DEC.	15 19 40	15 18 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 815. G. March. d. h. m. 17 7 54	JAN.	14 8 25	14 13 51
	FEB.	12 21 9	13 7 57
	MAR.	14 9 53	14 23 27
	APRIL	12 22 37	13 11 53
	MAY	12 11 21	12 21 32
	JUNE	11 0 5	11 5 16
	JULY	10 12 49	10 12 9
	AUG.	9 1 33	8 19 20
	SEPT.	7 14 17	7 8 47
	OCT.	7 8 1	6 14 19
	NOV.	5 15 45	5 8 28
	DEC.	5 4 29	4 19 17
816. F.K. 16 13 43	JAN.	3 17 13	3 13 10
	FEB.	2 5 57	2 7 55
	○	17 0 19	17 8 26
	MAR.	2 18 41	3 2 7
	APRIL	1 7 25	1 18 29
		30 20 9	1 8 15
	MAY	30 8 53	30 19 21
	JUNE	28 21 37	29 4 23
	JULY	28 10 21	28 12 18
	AUG.	26 23 5	26 20 8
	SEPT.	25 11 49	25 4 50
	OCT.	25 0 33	24 15 1
	NOV.	23 18 17	23 3 5
	DEC.	23 2 1	22 17 8
817. D. 16 19 32	JAN.	21 14 46	21 8 58
	○	5 9 8	5 19 15
	FEB.	20 3 30	20 1 55
	MAR.	21 16 14	21 19 10
	APRIL	20 4 58	20 11 40
	MAY	19 17 42	20 2 33
	JUNE	18 6 26	18 15 24
	JULY	17 19 10	18 2 21
	○	1 13 32	1 0 50
	AUG.	16 7 54	16 12 2
	SEPT.	14 20 38	14 21 14
	OCT.	14 9 22	14 6 44
	NOV.	12 22 6	12 17 1
	DEC.	12 10 50	12 4 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 818. C. March. d. h. m. 17 1 20	JAN.	10 23 35	10 16 43
	○	25 17 57	26 6 52
	FEB.	9 12 19	9 6 11
	MAR.	11 1 3	10 20 42
	APRIL	9 13 47	9 12 4
	MAY	9 2 31	9 3 48
	JUNE	7 15 15	7 19 13
	JULY	7 8 59	7 9 43
	○	21 22 21	21 11 32
	AUG.	5 16 43	5 22 54
	SEPT.	4 5 27	4 10 53
	OCT.	3 18 11	3 22 3
	NOV.	2 6 55	2 8 53
	DEC.	1 19 39	1 19 42
		31 8 23	31 6 33
819. B. 17 7 9	JAN.	29 21 7	29 17 31
	FEB.	28 9 51	28 4 48
	MAR.	29 22 35	29 16 44
	APRIL	28 11 19	28 5 43
	MAY	28 0 3	27 19 53
	JUNE	26 12 47	26 11 3
	JULY	26 1 31	26 2 37
	AUG.	24 14 15	24 17 56
	SEPT.	23 2 59	23 8 30
	OCT.	22 15 43	22 22 5
	NOV.	21 4 27	21 10 40
	DEC.	20 17 11	20 22 17
820. A.G. 16 12 58	JAN.	19 5 56	19 9 4
	FEB.	17 18 40	17 19 2
	MAR.	18 7 24	18 4 33
	APRIL	16 20 8	16 14 12
	MAY	16 8 52	16 0 47
	○	31 3 14	31 12 41
	JUNE	14 21 36	14 13 0
	JULY	14 10 20	14 3 8
	AUG.	12 23 4	12 19 0
	SEPT.	11 11 48	11 11 50
	OCT.	11 0 32	11 4 44
	NOV.	9 13 16	9 20 49
	○	24 7 38	23 20 42
	DEC.	9 2 0	9 11 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 821.		d. h. m.	d. h. m.
F. March. d. h. m. 16 18 47	JAN. .	7 14 45	8 0 15
	FEB. .	6 8 29	6 11 14
	MAR. .	7 16 18	7 20 38
	APRIL	6 4 57	6 4 56
	MAY .	5 17 41	5 12 54
	○	20 12 3	20 22 34
	JUNE .	4 6 25	3 21 31
	JULY .	3 19 9	3 7 47
	AUG. .	2 7 53	1 20 28
		31 20 37	31 11 48
	SEPT. .	30 9 21	30 5 15
	OCT. .	29 22 5	29 23 45
	○	13 16 27	13 8 52
	NOV. .	28 10 49	28 17 57
	DEC. .	27 23 33	28 10 35
822. E. 17 0 36	JAN. .	26 12 17	27 0 48
	FEB. .	25 1 1	25 12 26
	MAR. .	26 13 45	26 21 45
	APRIL	25 2 29	25 5 28
	MAY .	24 15 13	24 12 27
	JUNE .	23 3 57	22 19 45
	JULY .	22 16 41	22 4 33
	AUG. .	21 5 25	20 15 46
	SEPT. .	19 18 9	19 6 0
	OCT. .	19 6 53	18 23 6
	○	3 1 15	3 0 36
	NOV. .	17 19 37	17 18 7
	DEC. .	17 8 21	17 13 34
823. D. 17 6 25	JAN. .	15 21 6	16 7 46
	FEB. .	14 9 50	14 23 27
	MAR. .	15 22 34	16 12 6
	APRIL	14 11 18	14 21 56
	MAY .	14 0 2	14 5 43
	JUNE .	12 12 46	12 12 26
	JULY .	12 1 30	11 19 14
	AUG. .	10 14 14	10 3 10
	SEPT. .	9 2 58	8 13 17
	○	23 21 20	24 3 0
	OCT. .	8 15 42	8 2 16
	NOV. .	7 4 26	6 18 15
	DEC. .	6 17 10	6 12 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 824.		d. h. m.	d. h. m.
C.B. March. d. h. m. 16 12 13	JAN. .	5 5 54	5 8 7
	FEB. .	3 18 38	4 3 1
	MAR. .	4 7 22	4 19 50
	○	19 1 44	18 21 9
	APRIL	2 20 6	3 9 45
	MAY .	2 8 50	2 20 40
		31 21 34	1 5 14
	JUNE .	30 10 18	30 12 18
	JULY .	29 23 2	29 19 23
	AUG. .	28 11 46	28 3 18
	○	12 6 8	12 8 50
	SEPT. .	27 0 30	26 12 50
	OCT. .	26 13 14	26 0 43
	NOV. .	25 1 58	24 15 14
	DEC. .	24 14 42	24 8 5
825. A. 16 18 2	JAN. .	23 3 27	23 2 26
	FEB. .	21 16 11	21 20 53
	○	8 10 33	8 12 10
	MAR. .	23 4 55	23 14 9
	APRIL	21 17 39	22 5 12
	MAY .	21 6 23	21 17 37
	JUNE .	19 19 7	20 3 39
	JULY .	19 7 51	19 12 8
	AUG. .	17 20 35	17 20 5
	○	1 14 57	1 9 14
	SEPT. .	16 9 19	16 4 27
	OCT. .	15 22 3	15 14 0
	NOV. .	14 10 47	14 1 10
	DEC. .	13 23 31	13 14 12
826. G. 16 23 51	JAN. .	12 12 16	12 5 0
	FEB. .	11 1 0	10 21 15
	MAR. .	12 13 44	12 14 12
	APRIL	11 2 28	11 6 58
	MAY .	10 15 12	10 22 40
	JUNE .	9 3 56	9 12 36
	JULY .	8 16 40	9 0 37
	AUG. .	7 5 24	7 11 2
	SEPT. .	5 18 8	5 20 37
	OCT. .	5 6 52	5 6 9
	NOV. .	3 19 36	3 16 10
	DEC. .	3 8 20	3 3 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 827. F.		d. h. m.	d. h. m.
	JAN. ○	1 21 4	1 14 46
		16 15 26	17 8 28
		31 9 48	31 3 28
March. d. h. m. 17 5 40	FEB. .	...	...
	MAR. .	1 22 32	1 17 10
		31 11 16	31 7 51
	APRIL	30 0 0	29 23 14
	MAY .	29 12 44	29 14 48
	JUNE .	28 1 28	28 5 58
	○	12 19 50	12 11 7
	JULY .	27 14 12	27 19 55
	AUG. .	26 2 56	26 8 45
	SEPT. .	24 15 40	24 20 34
	OCT. .	24 4 24	24 7 47
	NOV. .	22 17 8	22 18 43
	DEC. .	22 5 52	22 5 35
	○	6 0 15	6 5 44
828. E.D.	JAN. .	20 18 37	20 16 23
	FEB. .	19 7 21	19 3 16
16 11 29	MAR. .	19 20 5	19 14 31
	APRIL	18 8 49	18 2 38
	MAY .	17 21 33	17 16 0
	JUNE .	16 10 17	16 6 37
	○	1 4 39	1 4 0
	JULY .	15 23 1	15 22 6
	AUG. .	14 11 45	14 13 49
	SEPT. .	13 0 29	13 5 5
	OCT. .	12 13 13	12 19 28
	NOV. .	11 1 57	11 8 48
	DEC. .	10 14 41	10 21 2
	○	25 9 3	25 4 55
829. C.	JAN. .	9 3 26	9 8 14
	FEB. .	7 16 10	7 18 27
16 17 18	MAR. .	9 4 54	9 3 55
	APRIL	7 17 38	7 13 9
	MAY .	7 6 22	6 22 56
	JUNE .	5 19 6	5 10 5
	○	20 18 28	20 20 28
	JULY .	5 7 50	4 23 10
	AUG. .	3 20 34	3 14 15
	SEPT. .	2 9 18	2 6 52
	OCT. .	1 22 2	2 0 6
		31 10 46	31 16 57
	NOV. .	29 23 30	30 8 35
	DEC. .	29 12 14	29 22 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 830. B.		d. h. m.	d. h. m.
March. d. h. m. 16 23 6	JAN. .	28 0 58	28 10 16
	FEB. .	26 13 42	26 20 17
	MAR. .	28 2 26	28 4 52
	APRIL	26 15 10	26 12 41
	MAY .	26 3 54	25 20 41
	JUNE .	24 16 38	24 5 55
	JULY .	24 5 22	23 17 16
	AUG. .	22 18 6	22 7 21
	SEPT. .	21 6 50	20 23 57
	OCT. .	20 19 34	20 18 17
	○	4 13 56	4 7 47
	NOV. .	19 8 18	19 12 59
	DEC. .	18 21 2	19 6 40
831. A.	JAN. .	17 9 47	17 22 13
	FEB. .	15 22 31	16 11 5
17 4 55	MAR. .	17 11 15	17 21 22
	APRIL	15 23 59	16 5 39
	○	30 18 21	30 20 47
	MAY .	15 12 43	15 12 44
	JUNE .	14 1 27	13 19 40
	JULY .	13 14 11	13 3 34
	AUG. .	12 2 55	11 13 29
	SEPT. .	10 15 39	10 2 14
	OCT. .	10 4 23	9 18 4
	○	24 22 45	24 23 44
	NOV. .	8 17 7	8 12 23
	DEC. .	8 5 51	8 7 53
832. G.F.	JAN. .	6 18 36	7 2 56
	FEB. .	5 7 20	5 19 58
16 10 44	MAR. .	5 20 4	6 10 4
	APRIL	4 8 48	4 21 10
	○	19 3 10	18 22 20
	MAY .	3 21 32	4 5 47
	JUNE .	2 10 16	2 12 51
	JULY .	1 23 0	1 19 30
		31 11 44	31 2 47
	AUG. .	30 0 28	29 11 48
	SEPT. .	28 13 12	27 23 22
	○	13 7 34	13 13 23
	OCT. .	28 1 56	27 13 56
	NOV. .	26 14 40	26 7 16
	DEC. .	26 3 24	26 2 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 833.		d. h. m.	d. h. m.
E. March. d. h. m. 16 16 38	JAN. .	24 16 8	24 21 38
	FEB. .	23 4 52	23 15 32
	MAR. .	24 17 36	25 6 52
	○	8 11 58	8 6 12
	APRIL	23 6 20	23 19 12
	MAY .	22 19 4	23 4 50
	JUNE .	21 7 48	21 12 39
	JULY .	20 20 32	20 19 43
	AUG. .	19 9 16	19 3 9
	SEPT. .	17 22 0	17 11 53
	OCT. .	17 10 44	16 22 40
	NOV. .	15 23 28	15 11 54
	DEC. .	15 12 12	15 3 34
834. D. 16 22 22	JAN. .	14 0 57	13 21 9
	FEB. .	12 18 41	12 15 29
	○	27 8 3	27 11 51
	MAR. .	14 2 25	14 9 20
	APRIL	12 15 9	13 1 29
	MAY .	12 3 53	12 15 12
	JUNE .	10 16 37	11 2 24
	JULY .	10 5 21	10 11 41
	AUG. .	8 18 5	8 19 57
	SEPT. .	7 6 49	7 4 13
	OCT. .	6 19 33	6 13 17
	NOV. .	5 8 17	4 23 42
	DEC. .	4 21 1	4 11 48
835. C. 17 4 11	JAN. .	3 9 46	3 1 37
	FEB. .	1 22 30	1 16 58
	○	16 16 52	17 3 41
	MAR. .	3 11 14	3 9 23
	APRIL	1 23 58	2 2 7
	MAY .	1 12 42	1 18 21
		31 1 26	31 9 12
	JUNE .	29 14 10	29 22 15
	JULY .	29 2 54	29 9 36
	○	12 21 16	12 8 0
	AUG. .	27 15 38	27 19 47
	SEPT. .	26 4 22	26 5 30
	OCT. .	25 17 6	25 15 24
	NOV. .	24 5 50	24 1 56
	DEC. .	23 18 34	23 13 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 836.		d. h. m.	d. h. m.
B.A. March. d. h. m. 16 9 59	JAN. .	22 7 18	22 1 15
	○	6 1 40	6 15 2
	FEB. .	20 20 2	20 14 11
	MAR. .	21 8 46	21 4 5
	APRIL	19 21 30	19 18 55
	MAY .	19 10 14	19 10 19
	JUNE .	17 22 58	18 1 42
	JULY .	17 11 42	17 16 25
	○	1 6 4	31 19 1
	AUG. .	16 0 26	16 6 6
	SEPT. .	14 13 10	14 18 41
	OCT. .	14 1 54	14 6 25
	NOV. .	12 14 38	12 17 41
	DEC. .	12 3 22	12 4 39
837. G. 16 15 48	JAN. .	10 16 7	10 15 26
	FEB. .	9 4 51	9 2 3
	MAR. .	10 17 35	10 12 48
	APRIL	9 6 19	9 0 7
	MAY .	8 19 3	8 12 35
	JUNE .	7 7 47	7 2 26
	JULY .	6 20 31	6 17 32
	AUG. .	5 9 15	5 9 21
	SEPT. .	3 21 59	4 1 9
	OCT. .	3 10 43	3 16 20
	NOV. .	1 23 27	2 6 28
	DEC. .	1 12 11	1 19 26
		31 0 55	31 7 12
838. F. 16 21 37	JAN. .	29 13 39	29 17 49
	FEB. .	28 2 23	28 3 24
	MAR. .	29 15 7	29 12 26
	APRIL	28 3 51	27 21 35
	MAY .	27 16 35	27 7 45
	○	11 10 57	11 19 52
	JUNE .	26 5 19	25 19 42
	JULY .	25 18 3	25 9 48
	AUG. .	24 6 47	24 1 52
	SEPT. .	22 19 31	22 19 7
	OCT. .	22 8 15	22 12 34
	NOV. .	20 20 59	21 5 8
	○	5 15 21	5 5 15
	DEC. .	20 9 43	20 20 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 839.		d. h. m.	d. h. m.	A.D. 842.		d. h. m.	d. h. m.
E. March. d. h. m. 17 8 25	JAN.	18 22 28	19 8 56	A. March. d. h. m. 16 20 52	JAN.	15 13 38	15 15 59
	FEB.	17 11 12	17 19 43		FEB.	14 2 22	14 10 39
	MAR.	18 23 56	19 4 47		MAR.	15 15 6	16 8 16
	APRIL	17 12 40	17 12 41		○	30 9 28	30 4 55
	MAY	17 1 24	16 20 18		APRIL	14 8 50	14 17 8
	○	31 19 46	1 5 21		MAY	13 16 34	14 8 55
	JUNE	15 14 8	15 4 39		JUNE	12 5 18	12 12 33
	JULY	15 2 52	14 14 47		JULY	11 18 2	11 19 57
	AUG.	13 15 36	13 8 29		AUG.	10 6 46	10 8 13
	SEPT.	12 4 20	11 18 58		SEPT.	8 19 30	8 11 21
	OCT.	11 17 4	11 12 45		○	23 13 52	23 16 16
	NOV.	10 5 48	10 7 37		OCT.	8 8 14	7 21 9
	○	25 0 10	24 17 43		NOV.	6 20 58	6 9 12
	DEC.	9 18 32	10 2 8		DEC.	6 9 42	5 23 39
840. D.C. 16 9 14	JAN.	8 7 17	8 18 56	843. G. 17 2 41	JAN.	4 22 27	4 16 16
	FEB.	6 20 1	7 9 8		FEB.	3 11 11	3 10 10
	MAR.	7 8 45	7 20 35		MAR.	4 23 55	5 4 13
	APRIL	5 21 29	6 5 37		○	19 18 17	19 20 18
	MAY	5 10 13	5 13 4		APRIL	3 12 39	3 21 11
	○	20 4 35	20 7 54		MAY	3 1 23	3 12 7
	JUNE	3 22 57	3 19 52		JUNE	1 14 7	2 0 34
	JULY	3 11 41	3 3 6		JULY	1 2 51	1 10 50
	AUG.	2 0 25	1 11 54			30 15 35	30 19 39
		31 13 9	30 23 13		AUG.	29 4 19	29 4 1
	SEPT.	30 1 53	29 13 37		○	12 22 41	12 16 23
	OCT.	29 14 37	29 6 53		SEPT.	27 17 3	27 12 47
	○	13 8 59	13 9 26		OCT.	27 5 47	26 22 39
	NOV.	28 3 21	23 2 4		NOV.	25 18 31	25 9 56
	DEC.	27 16 5	27 21 34		DEC.	25 7 15	24 22 49
841. B. 16 15 3	JAN.	26 4 49	26 15 44	844. F.E. 16 8 30	JAN.	23 19 59	23 13 14
	FEB.	24 17 33	25 7 19		FEB.	22 8 43	22 4 54
	MAR.	26 6 17	26 19 49		MAR.	22 21 27	22 21 18
	APRIL	24 19 1	25 5 29		APRIL	21 10 11	21 13 42
	MAY	24 7 45	24 13 9		MAY	20 22 55	21 5 15
	JUNE	22 20 29	22 19 52		JUNE	19 11 39	19 19 18
	JULY	22 9 13	22 2 46		JULY	19 0 23	19 7 38
	AUG.	20 21 57	20 10 53		AUG.	17 13 7	17 18 33
	SEPT.	19 10 41	18 21 11		SEPT.	16 1 51	16 4 41
	OCT.	18 23 25	18 10 18		OCT.	15 14 35	15 14 40
	NOV.	17 12 9	17 2 21		NOV.	14 3 19	14 1 0
	DEC.	17 0 53	16 20 40		DEC.	13 16 8	13 11 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 845. D.	JAN.	12 4 48	11 23 29
	○	26 23 10	27 11 37
March. d. h. m. 16 14 18	FEB.	10 17 32	10 11 43
	MAR.	12 6 16	12 0 50
	APRIL	10 19 0	10 14 55
	MAY	10 7 44	10 5 53
	JUNE	8 20 28	8 21 16
	JULY	8 9 12	8 12 28
	○	23 3 34	22 18 36
	AUG.	6 21 56	7 2 54
	SEPT.	5 10 40	5 16 18
	OCT.	4 23 24	5 4 43
	NOV.	3 12 8	3 16 27
	DEC.	3 0 52	3 3 40
846. C.	JAN. ○	1 13 37	1 14 33
		16 7 59	16 13 37
		31 2 21	31 1 6
	FEB.	...	...
16 20 7	MAR.	1 15 5	1 11 28
		31 3 49	30 22 9
	APRIL	29 16 33	29 9 43
	MAY	29 5 17	28 22 39
	JUNE	27 18 1	27 13 6
	○	12 12 23	12 11 32
	JULY	27 6 45	27 4 42
	AUG.	25 19 29	25 20 49
	SEPT.	24 8 13	24 12 40
	OCT.	23 20 57	24 3 39
	NOV.	22 9 41	22 17 27
	DEC.	21 22 25	22 5 55
	○	5 16 47	5 12 55
847. B.	JAN.	20 11 9	20 17 2
	FEB.	18 23 53	19 2 58
17 1 56	MAR.	20 12 37	20 11 58
	APRIL	19 1 21	18 20 43
	MAY	18 14 5	18 6 4
	JUNE	17 2 49	16 16 54
	○	1 21 11	2 3 46
	JULY	16 15 33	16 5 50
	AUG.	15 4 17	14 21 2
	SEPT.	13 17 1	13 14 0
	OCT.	13 5 45	13 7 44
	NOV.	11 18 29	12 1 5
	DEC.	11 7 13	11 17 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 848. A.G. March. d. h. m. 16 7 45	JAN.	9 19 58	10 7 4
	FEB.	8 8 42	8 18 50
	MAR.	8 21 26	9 4 34
	APRIL	7 10 10	7 12 46
	MAY	6 22 54	6 20 14
	JUNE	5 11 38	5 3 57
	JULY	5 0 22	4 13 0
	AUG.	3 13 6	3 0 20
	SEPT.	2 1 50	1 14 30
	OCT.	1 14 34	1 7 21
		31 3 18	31 2 1
	○	14 21 40	14 16 38
	NOV.	29 16 2	29 21 2
	DEC.	29 4 46	29 14 56
849. F.	JAN.	27 17 31	28 6 32
	FEB.	26 6 15	26 19 16
16 13 34	MAR.	27 18 59	28 5 19
	APRIL	26 7 43	26 13 20
	○	11 2 5	11 3 21
	MAY	25 20 27	25 20 14
	JUNE	24 9 11	24 3 4
	JULY	23 21 55	23 10 57
	AUG.	22 10 39	21 20 58
	SEPT.	20 23 23	20 9 51
	OCT.	20 12 7	20 1 50
	○	4 6 29	4 8 29
	NOV.	19 0 51	18 20 17
	DEC.	18 13 35	18 15 51
850. E.	JAN.	17 2 19	17 10 53
	FEB.	15 15 3	16 3 50
16 19 23	MAR.	17 3 47	17 17 48
	APRIL	15 16 31	16 4 44
	○	30 10 53	30 5 14
	MAY	15 5 15	15 13 14
	JUNE	13 17 59	13 20 17
	JULY	13 6 43	13 3 0
	AUG.	11 19 27	11 10 28
	SEPT.	10 8 11	9 19 40
	OCT.	9 20 55	9 7 26
	○	24 15 17	24 21 42
	NOV.	8 9 39	7 22 5
	DEC.	7 22 23	7 15 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 851.		d. h. m.	d. h. m.
D. March. d. h. m. 17 1 11	JAN. .	6 11 8	6 10 16
	FEB. .	4 28 52	5 5 19
	MAR. .	6 12 36	6 22 59
	APRIL	5 1 20	5 14 9
	○	19 19 42	19 13 39
	MAY .	4 14 4	5 2 24
	JUNE .	3 2 48	3 12 4
	JULY .	2 15 32	2 20 2
	AUG. .	1 4 16	1 3 22
		30 17 0	30 11 7
	SEPT. .	29 5 44	28 20 9
	OCT. .	28 18 28	28 7 8
	NOV. .	27 7 12	26 20 24
	DEC. .	26 19 56	26 11 52
852. C.B. 16 7 0	JAN. .	25 8 41	25 5 3
	FEB. .	23 21 25	23 22 58
	○	9 15 47	9 20 7
	MAR. .	24 10 9	24 16 26
	APRIL	22 22 53	23 8 21
	MAY .	22 11 37	22 22 3
	JUNE .	21 0 21	21 9 26
	JULY .	20 13 5	20 19 3
	AUG. .	19 1 49	19 3 44
	SEPT. .	17 14 33	17 12 25
	OCT. .	17 3 17	16 21 52
	NOV. .	15 16 1	15 8 30
	DEC. .	15 4 45	14 20 34
853. A. 16 12 49	JAN. .	13 17 29	13 10 3
	FEB. .	12 6 13	12 0 52
	○	27 0 35	27 11 57
	MAR. .	13 18 57	13 16 42
	APRIL	12 7 41	12 8 59
	MAY .	11 20 25	12 0 55
	JUNE .	10 9 9	10 15 47
	JULY .	9 21 53	10 5 7
	AUG. .	8 10 37	8 16 55
	○	23 4 59	22 15 18
	SEPT. .	6 23 21	7 3 37
	OCT. .	6 12 5	6 13 51
	NOV. .	5 0 49	5 0 11
	DEC. .	4 13 33	4 10 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 854.		d. h. m.	d. h. m.
G. March. d. h. m. 16 18 33	JAN. .	3 2 18	2 22 4
	FEB. .	1 15 2	1 9 44
	○	16 9 24	16 23 5
	MAR. .	3 3 46	2 22 6
	APRIL	1 16 30	1 11 23
	MAY .	1 5 14	1 1 40
		30 17 58	30 16 46
	JUNE .	29 6 42	29 8 10
	JULY .	28 19 26	28 23 12
	○	12 13 48	12 2 36
	AUG. .	27 8 10	27 13 24
	SEPT. .	25 20 54	26 2 36
	OCT. .	25 9 38	25 14 55
	NOV. .	23 22 22	24 2 32
	DEC. .	23 11 6	23 13 38
855. F. 17 0 27	JAN. .	21 23 50	22 0 14
	FEB. .	20 12 34	20 10 27
	MAR. .	22 1 18	21 20 38
	APRIL	20 14 2	20 7 24
	MAY .	20 2 46	19 19 23
	JUNE .	18 15 30	18 8 58
	JULY .	18 4 14	18 0 3
	AUG. .	16 16 58	16 16 10
	SEPT. .	15 5 42	15 8 29
	OCT. .	14 18 26	15 0 15
	NOV. .	13 7 10	13 14 56
	DEC. .	12 19 54	13 4 14
856. E.D. 16 6 16	JAN. .	11 8 39	11 16 4
	FEB. .	9 21 23	10 2 26
	MAR. .	10 10 7	10 11 39
	APRIL	8 22 51	8 20 12
	MAY .	8 11 35	8 4 55
	JUNE .	7 0 19	6 14 44
	○	21 18 41	22 3 3
	JULY .	6 13 3	6 2 28
	AUG. .	5 1 47	4 16 35
	SEPT. .	3 14 31	3 8 53
	OCT. .	3 3 15	3 2 34
	NOV. .	1 15 59	1 20 30
	DEC. ○	1 4 43	1 13 30
		15 23 5	15 13 52
		30 17 27	31 4 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 857.		d. h. m.	d. h. m.	A.D. 860.		d. h. m.	d. h. m.
C. March. d. h. m. 16 12 4	JAN. .	29 6 12	29 17 36	G.F. March. d. h. m. 16 5 31	JAN. .	26 21 22	26 23 46
	FEB. .	27 18 56	28 4 4		FEB. .	25 10 6	25 18 8
	MAR. .	29 7 40	29 12 48		MAR. .	25 22 50	26 10 33
	APRIL	27 20 24	27 20 21		○	9 17 12	9 12 36
	MAY .	27 9 8	27 3 41		APRIL	24 11 34	25 0 12
	○	11 3 30	11 12 5		MAY .	24 0 18	24 11 5
	JUNE .	25 21 52	25 11 51		JUNE .	22 13 2	22 19 51
	JULY .	25 10 36	24 21 54		JULY .	22 1 46	22 3 30
	AUG. .	23 23 20	23 10 40		AUG. .	20 14 30	20 11 3
	SEPT. .	22 12 4	22 2 20		SEPT. .	19 8 14	18 19 32
	OCT. .	22 0 48	21 20 22		○	3 21 36	3 23 49
	NOV. .	20 13 32	20 15 33		OCT. .	18 15 58	18 5 38
	○	5 7 54	5 2 39		NOV. .	17 4 42	16 17 47
	DEC. .	20 2 16	20 10 18		DEC. .	16 17 26	16 8 6
858. B. 16 17 53	JAN. .	18 15 0	19 3 11	861. E. 16 11 20	JAN. .	15 6 10	15 0 21
	FEB. .	17 3 44	17 17 19		FEB. .	13 18 54	13 17 47
	MAR. .	18 16 23	19 4 33		MAR. .	15 7 33	15 11 23
	APRIL	17 5 12	17 13 22		○	30 2 0	30 4 18
	MAY .	16 17 56	16 20 37		APRIL	13 20 22	14 4 3
	○	31 12 18	31 14 20		MAY .	13 9 6	13 18 52
	JUNE .	15 6 40	15 3 17		JUNE .	11 21 50	12 7 27
	JULY .	14 19 24	14 10 31		JULY .	11 10 34	11 18 0
	AUG. .	13 8 8	12 19 23		AUG. .	9 23 18	10 3 15
	SEPT. .	11 20 52	11 6 50		SEPT. .	8 12 2	8 12 2
	OCT. .	11 9 36	10 21 22		○	23 6 24	22 23 38
	NOV. .	9 22 20	9 14 45		OCT. .	8 0 46	7 21 15
	○	24 16 42	24 18 28		NOV. .	6 13 30	6 7 24
	DEC. .	9 11 4	9 10 0		DEC. .	6 2 14	5 18 46
859. A. 16 23 42	JAN. .	7 23 49	8 5 31	862. D. 16 17 9	JAN. .	4 14 59	4 7 26
	FEB. .	6 12 33	6 23 37		FEB. .	3 3 43	2 21 23
	MAR. .	8 1 17	8 15 4		MAR. .	4 16 27	4 12 28
	APRIL	6 14 1	7 3 24		APRIL	3 5 11	3 4 19
	MAY .	6 2 45	6 12 57		MAY .	2 17 55	2 20 20
	JUNE .	4 15 29	4 20 35		JUNE .	1 6 39	1 11 47
	JULY .	4 4 13	4 3 22			30 19 23	1 2 0
	AUG. .	2 16 57	2 10 24		JULY .	30 8 7	30 14 45
	SEPT. .	1 5 41	31 18 45		AUG. .	28 20 51	29 2 12
		30 18 25	30 5 16		SEPT. .	27 9 35	27 12 52
	OCT. .	30 7 9	29 18 31		OCT. .	26 22 19	26 23 20
	NOV. .	28 19 53	28 10 33		NOV. .	25 11 8	25 9 57
	DEC. .	28 8 37	28 4 41		DEC. .	24 23 47	24 20 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 863. C. March. d. h. m. 16 22 57	JAN.	23 12 32	23 8 9
	○	7 6 54	7 19 38
	FEB.	22 1 16	21 19 52
	MAR.	23 14 0	23 8 22
	APRIL	22 2 44	21 21 52
	MAY	21 15 28	21 12 26
	JUNE	20 4 12	20 3 42
	JULY	19 16 56	19 19 4
	○	3 11 18	3 2 12
	AUG.	18 5 40	18 9 59
	SEPT.	16 18 24	16 23 59
	OCT.	16 7 8	16 13 0
	NOV.	14 19 52	15 1 10
	DEC.	14 8 36	14 12 38
864. B.A. 16 4 46	JAN.	12 21 20	12 23 26
	○	27 15 42	27 21 24
	FEB.	11 10 4	11 9 38
	MAR.	11 22 48	11 19 32
	APRIL	10 11 32	10 5 39
	MAY	10 0 16	9 16 43
	JUNE	8 13 0	8 5 18
	JULY	8 1 44	7 19 36
	○	22 20 6	22 19 5
	AUG.	6 14 28	6 11 24
	SEPT.	5 3 12	5 3 56
	OCT.	4 15 56	4 20 20
	NOV.	3 4 40	3 11 53
	DEC.	2 17 24	3 2 7
865. G. 16 10 35	JAN. ○	1 6 9	1 14 45
		16 0 31	15 20 54
		30 18 53	31 1 45
	FEB.	...	...
	MAR.	1 7 37	1 11 20
		30 20 21	30 19 55
	APRIL	29 9 5	29 4 15
	MAY	28 21 49	28 13 12
	JUNE	27 10 33	26 23 45
	○	12 4 55	12 11 5
	JULY	26 23 17	26 12 39
	AUG.	25 12 1	25 4 0
	SEPT.	24 0 45	23 21 17
	OCT.	23 13 29	23 15 27
	NOV.	22 2 13	22 9 16
	DEC.	21 14 57	22 1 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 866. F. March. d. h. m. 16 16 24	JAN.	20 3 41	20 15 37
	FEB.	18 16 25	19 3 13
	MAR.	20 5 9	20 12 39
	APRIL	18 17 58	18 20 32
	MAY	18 6 37	18 3 42
	JUNE	16 19 21	16 11 18
	JULY	16 8 5	15 20 9
	AUG.	14 20 49	14 7 31
	SEPT.	13 9 33	12 21 49
	OCT.	12 22 17	12 14 53
	NOV.	11 11 1	11 9 49
	○	26 5 23	26 1 31
	DEC.	10 23 45	11 5 5
867. E. 16 22 18	JAN.	9 12 30	9 23 8
	FEB.	8 1 14	8 14 41
	MAR.	9 13 58	10 3 16
	APRIL	8 2 42	8 13 6
	MAY	7 15 26	7 20 55
	○	22 9 48	22 9 51
	JUNE	6 4 10	6 3 41
	JULY	5 16 54	5 10 30
	AUG.	4 5 38	3 18 26
	SEPT.	2 18 22	2 4 34
	OCT.	2 7 6	1 17 37
		31 19 50	31 9 44
	○	15 14 12	15 17 18
	NOV.	30 8 34	30 4 14
	DEC.	29 21 18	29 23 48
868. D.C. 16 4 2	JAN.	28 10 3	23 18 46
	FEB.	26 22 47	27 11 33
	MAR.	27 11 31	28 1 22
	APRIL	26 0 15	26 12 11
	○	10 18 37	10 12 5
	MAY	25 12 59	25 20 38
	JUNE	24 1 43	24 3 44
	JULY	23 14 27	23 10 35
	AUG.	22 3 11	21 18 16
	SEPT.	20 15 55	20 3 44
	OCT.	20 4 39	19 15 40
	○	3 23 1	4 6 8
	NOV.	18 17 23	18 6 21
	DEC.	18 6 7	17 23 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 869.		d. h. m.	d. h. m.
B. March. d. h. m. 16 9 50	JAN.	16 18 51	16 18 8
	FEB.	15 7 35	15 12 52
	MAR.	16 20 19	17 6 15
	APRIL	15 9 8	15 21 16
	○	30 8 25	29 21 2
	MAY	14 21 47	15 9 29
	JUNE	13 10 31	13 19 16
	JULY	12 23 15	13 8 26
	AUG.	11 11 59	11 11 5
	SEPT.	10 0 43	9 19 12
	OCT.	9 13 27	9 4 33
	NOV.	8 2 11	7 15 44
	DEC.	7 14 55	7 4 57
870. A. 16 15 39	JAN.	6 3 40	5 20 10
	FEB.	4 16 24	4 12 53
	MAR.	6 5 8	6 6 17
	○	20 23 30	21 4 14
	APRIL	4 17 52	4 23 21
	MAY	4 6 36	4 15 5
	JUNE	2 19 20	3 4 49
	JULY	2 8 4	2 16 28
		31 20 48	1 2 27
	AUG.	30 9 32	30 11 36
	SEPT.	28 22 16	28 20 45
	OCT.	28 11 0	28 6 33
	NOV.	26 23 44	26 17 21
	DEC.	26 12 28	26 5 18
871. G. 16 21 28	JAN.	25 1 13	24 18 27
	FEB.	23 13 57	23 8 42
	○	10 8 19	10 20 6
	MAR.	25 2 41	24 23 56
	APRIL	23 15 25	23 15 43
	MAY	23 4 9	23 7 26
	JUNE	21 16 53	21 22 21
	JULY	21 5 37	21 12 1
	AUG.	19 18 21	20 0 19
	○	3 12 43	2 22 46
	SEPT.	18 7 5	18 11 36
	OCT.	17 19 49	17 22 22
	NOV.	16 8 33	16 9 3
	DEC.	15 21 17	15 19 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 872. F.E. March. d. h. m. 16 8 17	JAN.	14 10 1	14 6 51
	FEB.	12 22 45	12 18 6
	○	27 17 7	28 6 56
	MAR.	13 11 29	13 5 53
	APRIL	12 0 13	11 18 33
	MAY	11 12 57	11 8 21
	JUNE	10 1 41	9 23 12
	JULY	9 14 25	9 14 40
	AUG.	8 3 9	8 6 3
	○	22 21 31	22 10 20
	SEPT.	6 15 53	6 20 43
	OCT.	6 4 37	6 10 37
	NOV.	4 17 21	4 23 28
	DEC.	4 6 5	4 11 26
873. D. 16 9 6	JAN.	2 18 50	2 22 34
	FEB.	1 7 34	1 8 56
	MAR.	2 20 18	2 18 44
	APRIL	1 9 2	1 4 23
		30 21 46	30 14 38
	MAY	30 10 30	30 2 11
	JUNE	28 23 14	28 15 33
	JULY	28 11 58	28 6 41
	AUG.	27 0 42	26 23 6
	SEPT.	25 13 26	25 15 56
	OCT.	25 2 10	25 8 17
	NOV.	23 14 54	23 23 27
	DEC.	23 3 38	23 13 1
874. C. 16 14 55	JAN.	21 16 23	22 0 49
	FEB.	20 5 7	20 10 56
	MAR.	21 17 51	21 19 45
	APRIL	20 6 35	20 3 54
	MAY	19 19 19	19 12 13
	JUNE	18 8 3	17 21 43
	○	3 2 25	3 10 14
	JULY	17 20 47	17 9 20
	AUG.	16 9 31	15 23 30
	SEPT.	14 22 15	14 16 2
	OCT.	14 10 59	14 10 8
	NOV.	12 23 43	13 4 30
	DEC.	12 12 27	12 21 51
	○	27 6 49	26 22 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 875.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 16 20 43	JAN. .	11 1 11	11 13 9
	FEB. .	9 13 55	10 1 55
	MAR. .	11 2 39	11 12 16
	APRIL	9 15 23	9 20 40
	MAY .	9 4 7	9 3 56
	JUNE .	7 16 51	7 11 2
	○	22 11 13	22 18 47
	JULY .	7 5 35	6 19 4
	AUG. .	5 18 19	5 5 6
	SEPT. .	4 7 3	3 17 57
	OCT. .	3 19 47	3 9 49
	NOV. .	2 8 31	2 4 6
	DEC. ○	1 21 15	1 23 31
		16 15 37	16 11 33
		31 9 59	31 18 25
876. A.G. 16 2 32	JAN. .	29 22 44	30 11 19
	FEB. .	28 11 28	29 1 21
	MAR. .	29 0 12	29 12 24
	APRIL	27 12 56	27 21 1
	MAY .	27 1 40	27 4 6
	○	10 20 2	10 20 47
	JUNE .	25 14 24	25 10 43
	JULY .	25 3 8	24 18 0
	AUG. .	23 15 52	23 3 0
	SEPT. .	22 4 36	21 14 37
	OCT. .	21 17 20	21 5 17
	NOV. .	20 6 4	19 22 45
	○	5 0 26	5 3 18
	DEC. .	19 18 48	19 18 0
877. F. 16 8 21	JAN. .	18 7 33	18 13 24
	FEB. .	16 20 17	17 7 20
	MAR. .	18 9 1	18 22 37
	APRIL	16 21 45	17 10 50
	MAY .	16 10 29	16 20 19
	JUNE .	14 23 13	15 3 58
	JULY .	14 11 57	14 10 53
	AUG. .	13 0 41	12 18 9
	SEPT. .	11 13 25	11 2 46
	OCT. .	11 2 9	10 13 30
	NOV. .	9 14 53	9 2 51
	DEC. .	9 3 37	8 18 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 878.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 16 14 10	JAN. .	7 16 21	7 12 43
	FEB. .	6 5 5	6 7 24
	MAR. .	7 17 49	8 1 23
	APRIL	6 6 33	6 17 38
	○	21 0 55	20 20 9
	MAY .	5 19 17	6 7 13
	JUNE .	4 8 1	4 18 11
	JULY .	3 20 45	4 3 8
	AUG. .	2 9 29	2 11 6
		31 22 13	31 19 3
	SEPT. .	30 10 57	30 3 53
	○	15 5 19	15 7 26
	OCT. .	29 23 41	29 14 13
	NOV. .	28 12 25	28 2 26
	DEC. .	28 1 9	27 16 34
879. D. 16 19 59	JAN. .	26 13 53	26 8 23
	FEB. .	25 2 37	25 1 17
	MAR. .	26 15 22	26 18 26
	○	10 9 44	10 12 11
	APRIL	25 4 6	25 10 48
	MAY .	24 16 50	25 1 14
	JUNE .	23 5 34	23 14 19
	JULY .	22 18 18	23 1 14
	AUG. .	21 7 2	21 10 56
	SEPT. .	19 19 46	19 20 14
	○	4 14 8	4 7 4
	OCT. .	19 8 30	19 5 52
	NOV. .	17 21 14	17 16 16
	DEC. .	17 9 58	17 3 37
880. C.B. 16 1 48	JAN. .	15 22 42	15 16 0
	FEB. .	14 11 26	14 5 26
	MAR. .	15 0 10	14 19 54
	○	29 18 32	30 4 46
	APRIL	13 12 54	13 11 12
	MAY .	13 1 38	13 2 52
	JUNE .	11 14 22	11 18 15
	JULY .	11 3 6	11 8 42
	AUG. .	9 15 50	9 21 55
	SEPT. .	8 4 34	8 9 56
	○	22 22 56	22 9 28
	OCT. .	7 17 18	7 21 10
	NOV. .	6 6 2	6 3 5
	DEC. .	5 18 46	5 18 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 881. A.		d. h. m.	d. h. m.
	JAN. .	4 7 31	4 5 46
	FEB. .	2 20 15	2 16 42
March. d. h. m. 16 7 36	○	17 14 37	18 3 30
	MAR. .	4 8 59	4 3 55
	APRIL	2 21 43	2 15 47
	MAY .	2 10 27	2 4 44
		31 23 11	31 18 56
	JUNE .	30 11 55	30 10 8
	JULY .	30 0 39	30 1 46
	○	13 19 1	13 9 53
	AUG. .	28 13 23	28 17 8
	SEPT. .	27 2 7	27 7 44
	OCT. .	26 14 51	26 21 21
	NOV. .	25 3 35	25 9 56
	DEC. .	24 16 19	24 21 33
882. G.	JAN. .	23 5 4	23 8 14
	○	6 23 26	7 5 4
	FEB. .	21 17 48	21 18 6
16 13 25	MAR. .	23 6 32	23 3 30
	APRIL	21 19 16	21 13 6
	MAY .	21 8 0	20 23 41
	JUNE .	19 20 44	19 11 58
	JULY .	19 9 28	19 2 14
	○	3 3 50	3 2 46
	AUG. .	17 22 12	17 18 12
	SEPT. .	16 10 56	16 11 10
	OCT. .	15 23 40	16 4 8
	NOV. .	14 12 24	14 20 13
	DEC. .	14 1 8	14 10 47
883. F.	JAN. .	12 13 52	12 23 29
	○	27 8 14	27 4 47
	FEB. .	11 2 36	11 10 20
16 19 14	MAR. .	12 15 20	12 19 35
	APRIL	11 4 4	11 3 45
	MAY .	10 16 48	10 11 40
	JUNE .	9 5 32	8 20 18
	JULY .	8 18 16	8 6 41
	○	23 12 38	23 18 27
	AUG. .	7 7 0	6 19 32
	SEPT. .	5 19 44	5 11 4
	OCT. .	5 8 28	5 4 40
	NOV. .	3 21 12	3 23 16
	DEC. .	3 9 56	3 17 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 884. E.D.		d. h. m.	d. h. m.
	JAN. .	1 22 41	2 10 0
		31 11 25	...
March. d. h. m. 16 1 3	FEB. .	...	1 0 4
	MAR. .	1 0 9	1 11 30
		30 12 53	30 20 39
	APRIL	29 1 37	29 4 14
	MAY .	28 14 21	28 11 8
	JUNE .	27 3 5	26 18 31
	JULY .	26 15 49	26 3 26
	AUG. .	25 4 33	24 14 50
	SEPT. .	23 17 17	23 5 17
	OCT. .	23 6 1	22 22 35
	NOV. .	21 18 45	21 17 44
	○	6 13 7	6 10 30
	DEC. .	21 7 29	21 13 9
885. C.	JAN. .	19 20 14	20 7 13
	FEB. .	18 8 58	18 22 42
16 6 52	MAR. .	19 21 42	20 11 8
	APRIL	18 10 26	18 20 46
	MAY .	17 23 10	18 4 25
	JUNE .	1 17 32	1 16 19
	○	16 11 54	16 11 7
	JULY .	16 0 38	15 17 58
	AUG. .	14 13 22	14 2 3
	SEPT. .	13 2 6	12 12 22
	OCT. .	12 14 50	12 1 34
	NOV. .	11 3 34	10 17 45
	○	25 21 56	26 2 9
	DEC. .	10 16 18	10 12 16
886. B.	JAN. .	9 5 2	9 7 43
	FEB. .	7 17 46	8 2 28
16 12 41	MAR. .	9 6 30	9 19 6
	APRIL	7 19 14	8 8 47
	MAY .	7 7 58	7 19 30
	○	22 2 20	21 18 53
	JUNE .	5 20 42	6 3 58
	JULY .	5 9 26	5 11 10
	AUG. .	3 22 10	3 18 17
	SEPT. .	2 10 54	2 2 13
	OCT. .	1 23 38	1 11 57
		31 12 22	31 0 1
	○	15 6 44	15 14 37
	NOV. .	30 1 6	29 14 42
	DEC. .	29 13 50	29 7 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 887. A. March. d. h. m. 16 18 29		d. h. m.	d. h. m.
	JAN. .	28 2 35	28 1 56
	FEB. .	26 15 19	26 20 17
	MAR. .	28 4 8	28 13 23
	APRIL	26 16 47	27 4 14
	○	11 11 9	11 4 20
	MAY .	26 5 31	26 16 30
	JUNE .	24 18 15	25 2 27
	JULY .	24 6 59	24 10 56
	AUG. .	22 19 43	22 18 57
	SEPT. .	21 8 27	21 3 27
	OCT. .	20 21 11	20 13 8
	NOV. .	19 9 55	19 0 27
	DEC. .	18 22 39	18 13 34
888. G.F. 16 0 18	JAN. .	17 11 24	17 4 25
	FEB. .	16 0 8	15 20 37
	MAR. .	16 12 52	16 13 29
	○	31 7 14	31 12 14
	APRIL	15 1 36	15 6 9
	MAY .	14 14 20	14 21 45
	JUNE .	13 8 4	13 11 34
	JULY .	12 15 48	12 23 30
	AUG. .	11 4 32	11 9 57
	SEPT. .	9 17 16	9 19 36
	OCT. .	9 6 0	9 5 14
	NOV. .	7 18 44	7 15 21
	DEC. .	7 7 28	7 2 16
889. E. 16 6 7	JAN. .	5 20 12	5 14 2
	FEB. .	4 8 56	4 2 43
	MAR. .	5 21 40	5 16 23
	○	20 16 2	21 4 3
	APRIL	4 10 24	4 7 0
	MAY .	3 23 8	3 22 21
	JUNE .	2 11 52	2 13 53
	JULY .	2 0 36	2 4 55
		31 13 20	31 18 57
	AUG. .	30 2 4	30 7 49
	○	13 20 26	13 6 24
	SEPT. .	28 14 48	28 19 41
	OCT. .	28 3 32	28 6 58
	NOV. .	26 16 16	26 17 58
	DEC. .	26 5 0	26 4 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 890. D. March. d. h. m. 16 11 56		d. h. m.	d. h. m.
	JAN. .	24 17 45	24 15 35
	FEB. .	23 6 29	23 2 22
	○	10 0 51	10 14 39
	MAR. .	24 19 13	24 13 34
	APRIL	23 7 57	23 1 39
	MAY .	22 20 41	22 15 1
	JUNE .	21 9 25	21 5 40
	JULY .	20 22 9	20 21 13
	AUG. .	19 10 53	19 13 0
	○	3 5 15	2 18 13
	SEPT. .	17 23 37	18 4 19
	OCT. .	17 12 21	17 18 46
	NOV. .	16 1 5	16 8 6
	DEC. .	15 13 49	15 20 19
891. C. 16 17 45	JAN. .	14 2 34	14 7 27
	FEB. .	12 15 18	12 17 32
	MAR. .	14 4 2	14 2 54
	APRIL	12 16 46	12 12 3
	MAY .	12 5 30	11 21 48
	JUNE .	10 18 14	10 8 59
	JULY .	10 6 58	9 22 10
	AUG. .	8 19 42	8 13 25
	○	23 14 4	23 10 31
	SEPT. .	7 8 26	7 6 10
	OCT. .	6 21 10	6 23 30
	NOV. .	5 9 54	5 16 25
	DEC. .	4 22 38	5 7 59
892. B.A. 15 23 34	JAN. .	3 11 22	3 21 43
	FEB. .	2 0 6	2 9 27
	MAR. .	2 12 50	2 19 18
	APRIL	1 1 34	1 3 44
		30 14 18	30 11 28
	MAY .	30 3 2	29 19 27
	JUNE .	28 15 46	28 4 44
	○	13 10 8	13 17 26
	JULY .	28 4 30	27 16 16
	AUG. .	26 17 14	26 6 32
	SEPT. .	25 5 58	24 23 20
	OCT. .	24 18 42	24 18 48
	NOV. .	23 7 26	23 12 33
	DEC. .	22 20 10	23 6 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 893. G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 16 5 22	○	6 14 32	6 7 5
	JAN.	21 8 54	21 21 33
	FEB.	19 21 39	20 10 14
	MAR.	21 10 23	21 20 20
	APRIL	19 23 7	20 4 25
	MAY	19 11 51	19 11 26
	JUNE	18 0 35	17 18 24
	○	2 18 57	3 1 30
	JULY	17 13 19	17 2 23
	AUG.	16 2 3	15 13 28
	SEPT.	14 14 47	14 1 27
	OCT.	14 3 31	13 17 30
	NOV.	12 16 15	12 11 58
	DEC.	12 4 59	12 7 31
	○	26 23 21	26 20 29
894. F. 16 11 11	JAN.	10 17 43	11 2 27
	FEB.	9 6 27	9 19 18
	MAR.	10 19 11	11 9 11
	APRIL	9 7 55	9 20 5
	MAY	8 20 39	9 4 31
	JUNE	7 9 23	7 11 32
	○	22 3 45	22 3 13
	JULY	6 22 7	6 18 11
	AUG.	5 10 51	5 1 36
	SEPT.	3 23 35	3 10 47
	OCT.	3 12 19	2 22 34
	NOV.	2 1 3	1 13 21
	DEC. ○	1 13 47	1 6 48
		16 8 9	16 12 14
		31 2 31	31 1 55
895. E. 16 17 0	JAN.	29 15 15	29 21 8
	FEB.	28 4 0	28 14 53
	MAR.	29 16 44	30 5 59
	APRIL	28 5 28	28 18 7
	MAY	27 18 12	28 3 36
	JUNE	26 6 56	26 11 21
	JULY	25 19 40	25 18 28
	AUG.	24 8 24	24 2 1
	SEPT.	22 21 8	22 10 55
	OCT.	22 9 52	21 21 52
	NOV.	20 22 36	20 11 16
	DEC.	20 11 20	20 3 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 896. D.C. March. *d. h. m.* 15 22 49		*d. h. m.*	*d. h. m.*
	JAN.	19 0 5	18 20 39
	FEB.	17 12 49	17 14 56
	MAR.	18 1 33	18 8 39
	APRIL	16 14 17	17 0 37
	○	1 8 39	1 3 39
	MAY	16 3 1	16 14 10
	JUNE	14 15 45	15 1 15
	JULY	14 4 29	14 10 29
	AUG.	12 17 13	12 18 48
	SEPT.	11 5 57	11 3 10
	OCT.	10 18 41	10 12 22
	○	25 13 3	25 15 13
	NOV.	9 7 25	8 22 57
	DEC.	8 20 9	8 11 9
897. B. 16 4 38	JAN.	7 8 53	7 1 0
	FEB.	5 21 37	5 16 20
	MAR.	7 10 21	7 8 41
	APRIL	5 23 5	6 1 20
	○	20 17 27	20 19 56
	MAY	5 11 49	5 17 26
	JUNE	4 0 33	4 8 12
	JULY	3 13 17	3 21 11
	AUG.	2 2 1	2 8 31
		31 14 45	31 18 44
	SEPT.	30 3 29	30 4 32
	○	14 21 51	14 14 39
	OCT.	29 16 13	29 14 33
	NOV.	28 4 57	28 1 10
	DEC.	27 17 41	27 12 27
898. A. 16 10 27	JAN.	26 6 26	26 0 31
	FEB.	24 19 10	24 13 23
	MAR.	26 7 54	26 3 14
	○	10 2 16	10 12 32
	APRIL	24 20 38	24 18 2
	MAY	24 9 22	24 9 23
	JUNE	22 22 6	23 0 44
	JULY	22 10 50	22 15 28
	AUG.	20 23 34	21 5 10
	SEPT.	19 12 18	19 17 48
	○	4 6 40	3 17 16
	OCT.	19 1 2	19 5 36
	NOV.	17 13 46	17 16 54
	DEC.	17 2 30	17 3 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 899.		d. h. m.	d. h. m.
G. March. d. h. m. 16 16 15	JAN.	15 15 15	15 14 38
	FEB.	14 3 59	14 1 11
	MAR.	15 16 43	15 11 50
	APRIL	14 5 27	13 23 7
	MAY	13 18 11	13 11 34
	JUNE	12 6 55	12 1 28
	JULY	11 19 39	11 16 37
	AUG.	10 8 23	10 8 31
	○	25 2 45	24 17 44
	SEPT.	8 21 7	9 0 24
	OCT.	8 9 51	8 15 38
	NOV.	6 22 35	7 5 48
	DEC.	6 11 19	6 18 46
900. F.E. 15 22 4	JAN.	5 0 3	5 6 28
	FEB.	3 12 47	3 16 56
	○	18 7 9	18 12 34
	MAR.	4 1 31	4 2 24
	APRIL	2 14 15	2 11 19
	MAY	2 2 59	1 20 26
		31 15 43	31 6 38
	JUNE	30 4 27	29 18 41
	JULY	29 17 11	29 8 54
	○	13 11 33	13 10 30
	AUG.	28 5 55	28 1 7
	SEPT.	26 18 39	26 18 30
	OCT.	26 7 23	26 12 1
	NOV.	24 20 7	25 4 31
	DEC.	24 8 51	24 19 25
901. D. 16 3 53	JAN.	22 21 36	23 8 9
	○	6 15 58	6 12 35
	FEB.	21 10 20	21 18 48
	MAR.	22 23 4	23 8 40
	APRIL	21 11 48	21 11 29
	MAY	21 0 32	20 19 3
	JUNE	19 13 16	19 3 26
	JULY	19 2 0	18 13 43
	○	2 20 22	3 1 53
	AUG.	17 14 44	17 2 36
	SEPT.	16 3 23	15 18 18
	OCT.	15 16 12	15 12 13
	NOV.	14 4 56	14 7 11
	DEC.	13 17 40	14 1 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 902.		d. h. m.	d. h. m.
C. March. d. h. m. 16 9 42	JAN.	12 6 25	12 18 21
	FEB.	10 19 9	11 8 22
	MAR.	12 7 53	12 19 36
	APRIL	10 20 37	11 4 28
	MAY	10 9 21	10 11 48
	JUNE	8 22 5	8 18 35
	JULY	8 10 49	8 1 52
	AUG.	6 23 33	6 10 49
	SEPT.	5 12 17	4 22 23
	OCT.	5 1 1	4 12 57
	NOV.	3 13 45	3 6 25
	DEC.	3 2 29	3 1 41
	○	17 20 51	17 19 29
903. B. 16 15 31	JAN.	1 15 13	1 21 10
		31 3 57	31 15 11
	FEB.	...	...
	MAR.	1 16 41	2 6 33
		31 5 25	31 18 48
	APRIL	29 18 9	30 4 18
	MAY	29 6 53	29 11 52
	○	13 1 15	12 22 46
	JUNE	27 19 37	27 18 34
	JULY	27 8 21	27 1 32
	AUG.	25 21 5	25 9 49
	SEPT.	24 9 49	23 20 18
	OCT.	23 22 33	23 9 39
	NOV.	22 11 17	22 1 52
	○	7 5 39	7 11 8
	DEC.	22 0 1	21 20 16
904. A.G. 15 21 20	JAN.	20 12 46	20 15 32
	FEB.	19 1 30	19 10 3
	MAR.	19 14 14	20 2 30
	APRIL	18 2 58	18 16 2
	MAY	17 15 42	18 2 45
	○	1 10 4	1 1 40
	JUNE	16 4 26	16 11 16
	JULY	15 17 10	15 18 42
	AUG.	14 5 54	14 2 2
	SEPT.	12 18 38	12 10 18
	OCT.	12 7 22	11 20 18
	NOV.	10 20 6	10 8 31
	○	25 14 28	25 23 9
	DEC.	10 8 50	9 23 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 905. F. March. d. h. m. 16 8 8		d. h. m.	d. h. m.
	JAN.	8 21 35	8 15 46
	FEB.	7 10 19	7 9 37
	MAR.	8 23 8	9 8 35
	APRIL	7 11 47	7 20 23
	MAY	7 0 31	7 11 7
	○	21 18 53	21 11 36
	JUNE	5 13 15	5 23 27
	JULY	5 1 59	5 9 39
	AUG.	3 14 43	3 18 29
	SEPT.	2 8 27	2 2 55
	OCT.	1 16 11	1 11 49
		31 4 55	30 21 49
	NOV.	29 17 39	29 9 14
	DEC.	29 6 23	28 22 11
906. E. 16 8 57	JAN.	27 19 7	27 12 36
	FEB.	26 7 51	26 4 14
	MAR.	27 20 35	27 20 33
	APRIL	26 9 19	26 12 51
	MAY	25 22 3	26 4 18
	JUNE	24 10 47	24 18 16
	JULY	23 23 31	24 6 35
	AUG.	22 12 15	22 17 31
	SEPT.	21 0 59	21 3 43
	OCT.	20 13 43	20 13 48
	NOV.	19 2 27	19 0 14
	DEC.	18 15 11	18 11 11
907. D. 16 14 46	JAN.	17 3 56	16 22 44
	FEB.	15 16 40	15 10 55
	MAR.	17 5 24	16 23 59
	○	31 23 46	1 11 52
	APRIL	15 18 8	15 14 1
	MAY	15 6 52	15 4 57
	JUNE	13 19 36	13 20 19
	JULY	13 8 20	13 11 31
	AUG.	11 21 4	12 1 59
	SEPT.	10 9 48	10 15 26
	○	25 4 10	24 14 13
	OCT.	9 22 32	10 3 55
	NOV.	8 11 16	8 15 40
	DEC.	8 0 0	8 2 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 908. C.B. March. d. h. m. 15 20 35		d. h. m.	d. h. m.
	JAN.	6 12 44	6 13 45
	FEB.	5 1 28	5 0 13
	MAR.	5 14 12	5 10 30
	○	20 8 34	20 22 10
	APRIL	4 2 56	3 21 7
	MAY	3 15 40	3 8 40
	JUNE	2 4 24	1 21 33
	JULY	1 17 8	1 12 9
		31 5 52	31 3 50
	AUG.	29 18 36	29 20 2
	○	13 12 58	13 2 14
	SEPT.	28 7 20	28 11 57
	OCT.	27 20 4	23 2 58
	NOV.	26 8 48	26 16 47
	DEC.	25 21 32	26 5 11
909. A. 16 2 24	JAN.	24 10 17	24 16 13
	FEB.	22 23 1	23 2 0
	MAR.	24 11 45	24 10 54
	APRIL	23 0 29	22 19 34
	MAY	22 13 13	22 4 55
	JUNE	21 1 57	20 15 48
	JULY	20 14 41	20 4 53
	AUG.	19 3 25	18 20 15
	○	2 21 47	2 18 29
	SEPT.	17 16 9	17 13 21
	OCT.	17 4 53	17 7 11
	NOV.	15 17 37	16 0 34
	DEC.	15 6 21	15 16 30
910. G. 16 8 13	JAN.	13 19 6	14 6 23
	FEB.	12 7 50	12 17 58
	MAR.	13 20 34	14 3 31
	APRIL	12 9 18	12 11 35
	MAY	11 22 2	11 18 59
	JUNE	10 10 46	10 2 43
	JULY	9 23 30	9 11 51
	○	24 17 52	25 0 41
	AUG.	8 12 14	7 23 21
	SEPT.	7 0 58	6 13 45
	OCT.	6 13 42	6 6 48
	NOV.	5 2 26	5 1 34
	DEC.	4 15 10	4 20 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 911. F.	JAN.	8 3 54	3 14 25
	○	17 22 16	17 15 39
March. d. h. m. 16 14 1	FEB.	1 16 38	2 5 49
	MAR.	3 5 22	3 18 21
	APRIL	1 18 6	2 4 12
	MAY	1 6 50	1 12 5
		30 19 31	30 18 54
	JUNE	29 8 18	29 1 47
	○	14 2 40	14 8 14
	JULY	28 21 2	28 9 46
	AUG.	27 9 46	26 19 58
	SEPT.	25 22 30	25 9 6
	OCT.	25 11 14	25 1 17
	NOV.	23 23 58	23 19 52
	DEC.	23 12 42	23 15 28
912. E.D.	○	7 7 5	7 5 24
	JAN.	22 1 27	22 10 24
	FEB.	20 14 11	21 3 9
15 19 50	MAR.	21 2 55	21 16 53
	APRIL	19 15 39	20 3 37
	MAY	19 4 23	19 11 58
	JUNE	17 17 7	17 18 59
	○	2 11 29	2 9 40
	JULY	17 5 51	17 1 44
	AUG.	15 18 35	15 9 19
	SEPT.	14 7 19	13 18 42
	OCT.	13 20 3	13 6 40
	NOV.	12 8 47	11 21 32
	DEC.	11 21 31	11 14 56
	○	26 15 53	26 21 11
913. C.	JAN.	10 10 16	10 9 51
	FEB.	8 23 0	9 4 49
16 1 39	MAR.	10 11 44	10 22 18
	APRIL	9 0 28	9 13 14
	MAY	8 13 12	9 1 18
	JUNE	7 1 56	7 10 50
	JULY	6 14 40	6 18 47
	AUG.	5 3 24	5 2 8
	SEPT.	3 16 8	3 10 1
	OCT.	3 4 52	2 19 13
	NOV.	1 17 36	1 6 23
	DEC.	1 6 20	30 19 47
		30 19 4	30 11 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 914. B.	JAN.	29 7 48	29 4 32
March. d. h. m. 16 7 27	FEB.	27 20 32	27 22 21
	MAR.	29 9 16	29 15 41
	APRIL	27 22 0	28 7 25
	○	12 16 22	12 11 3
	MAY	27 10 44	27 20 59
	JUNE	25 23 28	26 8 16
	JULY	25 12 12	25 17 52
	AUG.	24 0 56	24 2 36
	SEPT.	22 13 40	22 11 24
	OCT.	22 2 24	21 20 58
	○	5 20 46	5 23 3
	NOV.	20 15 8	20 7 45
	DEC.	20 3 52	19 19 52
915. A.	JAN.	18 16 37	18 9 21
	FEB.	17 5 21	17 0 12
16 13 16	MAR.	18 18 5	18 15 58
	APRIL	17 6 49	17 8 9
	○	2 1 11	2 3 35
	MAY	16 19 33	17 0 0
	JUNE	15 8 17	15 14 47
	JULY	14 21 1	15 4 5
	AUG.	13 9 45	13 15 53
	SEPT.	11 22 29	12 2 38
	OCT.	11 11 13	11 12 59
	○	26 5 35	25 22 20
	NOV.	9 23 57	9 23 23
	DEC.	9 12 41	9 10 8
916. G.F.	JAN.	8 1 26	7 21 19
	FEB.	6 14 10	6 8 56
15 19 5	MAR.	7 2 54	6 21 14
	APRIL	5 15 38	5 10 28
	○	20 10 0	20 20 11
	MAY	5 4 22	5 0 44
	JUNE	3 17 6	3 15 50
	JULY	3 5 50	3 7 14
	AUG.	1 18 34	1 22 18
		31 7 18	31 12 32
	SEPT.	29 20 2	30 1 47
	○	14 14 24	14 1 13
	OCT.	29 8 46	29 14 9
	NOV.	27 21 30	28 1 48
	DEC.	27 10 14	27 12 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 917.		d. h. m.	d. h. m.
E. March. d. h. m. 16 0 54	JAN.	25 22 58	25 23 23
	FEB.	24 11 42	24 9 30
	MAR.	26 0 26	25 19 37
	APRIL	24 13 10	24 6 21
	MAY	24 1 54	23 18 21
	JUNE	22 14 38	22 7 59
	JULY	22 3 22	21 23 11
	AUG.	20 16 6	20 15 23
	SEPT.	19 4 50	19 7 47
	OCT.	18 17 34	18 23 37
	NOV.	17 6 18	17 14 18
	DEC.	16 19 2	17 3 33
918. D. 16 6 43	JAN.	15 7 47	15 15 16
	FEB.	13 20 31	14 1 31
	○	28 14 53	28 20 0
	MAR.	15 9 15	15 10 36
	APRIL	13 21 59	13 19 4
	MAY	13 10 43	13 3 44
	JUNE	11 23 27	11 13 35
	JULY	11 12 11	11 1 27
	AUG.	10 0 55	9 15 44
	○	24 19 17	24 18 23
	SEPT.	8 13 39	8 8 12
	OCT.	8 2 23	8 2 0
	NOV.	6 15 7	6 19 59
	DEC.	6 3 51	6 12 58
919. C. 16 12 32	JAN.	4 16 36	5 4 0
	FEB.	3 5 20	3 16 42
	○	17 23 42	17 20 18
	MAR.	4 18 4	5 3 5
	APRIL	3 6 48	3 11 40
	MAY	2 19 32	2 19 7
	JUNE	1 8 16	1 2 25
		30 21 0	30 10 39
	JULY	30 9 44	29 20 51
	○	14 4 6	14 9 25
	AUG.	28 22 28	28 9 48
	SEPT.	27 11 12	27 1 42
	OCT.	26 23 56	26 19 54
	NOV.	25 12 40	25 15 8
	DEC.	25 1 24	25 9 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 920.		d. h. m.	d. h. m.
B.A. March. d. h. m. 15 18 20	JAN.	23 14 8	24 2 35
	FEB.	22 2 52	22 16 30
	MAR.	22 15 36	23 3 32
	APRIL	21 4 20	21 12 11
	MAY	20 17 4	20 19 19
	JUNE	19 5 48	19 1 59
	JULY	18 18 32	18 9 17
	AUG.	17 7 16	16 18 19
	SEPT.	15 20 0	15 6 0
	OCT.	15 8 44	14 20 45
	NOV.	13 21 28	13 14 18
	DEC.	13 10 12	13 9 38
	○	28 4 34	28 4 25
921. G. 16 0 9	JAN.	11 22 57	12 5 5
	FEB.	10 11 41	10 23 1
	MAR.	12 0 25	12 14 14
	APRIL	10 13 9	11 2 21
	MAY	10 1 53	10 11 45
	JUNE	8 14 37	8 19 17
	○	23 8 59	23 5 12
	JULY	8 3 21	8 2 3
	AUG.	6 16 5	6 9 12
	SEPT.	5 4 49	4 17 42
	OCT.	4 17 33	4 4 26
	NOV.	3 6 17	2 17 53
	DEC.	2 19 1	2 10 4
	○	17 13 23	17 19 57
922. F. 16 5 58	JAN.	1 7 45	1 4 18
		30 20 29	30 23 16
	FEB.	...	...
	MAR.	1 9 13	1 17 30
		30 21 57	31 9 42
	APRIL	29 10 41	29 23 9
	MAY	28 23 25	29 9 54
	○	12 17 47	12 8 26
	JUNE	27 12 9	27 18 36
	JULY	27 0 53	27 2 14
	AUG.	25 13 37	25 9 55
	SEPT.	24 2 21	23 18 32
	OCT.	23 15 5	23 4 49
	NOV.	22 3 49	21 17 6
	○	6 22 11	7 7 41
	DEC.	21 16 33	21 7 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 923. E. March. d. h. m. 16 11 47		d. h. m.	d. h. m.
	JAN.	20 5 18	19 23 49
	FEB.	18 18 2	18 17 12
	MAR.	20 6 46	20 10 42
	APRIL	18 19 30	19 3 13
	MAY	18 8 14	18 17 51
	○	2 2 36	1 18 50
	JUNE	16 20 58	17 6 20
	JULY	16 9 42	16 16 50
	AUG.	14 22 26	15 2 6
	SEPT.	13 11 10	13 11 1
	OCT.	12 23 54	12 20 21
	NOV.	11 12 38	11 6 36
	DEC.	11 1 22	10 18 8
924. D.C. 15 17 36	JAN.	9 14 7	9 6 46
	FEB.	8 2 51	7 20 42
	MAR.	8 15 35	8 11 44
	APRIL	7 4 19	7 3 31
	MAY	6 17 3	6 19 27
	JUNE	5 5 47	5 10 49
	JULY	4 18 31	5 1 0
	AUG.	3 7 15	3 13 44
	SEPT.	1 19 59	2 1 13
	OCT.	1 8 43	1 11 58
		30 21 27	30 22 31
	NOV.	29 10 11	29 9 11
	DEC.	28 22 55	28 20 7
925. B. 15 23 25	JAN.	27 11 39	27 7 20
	FEB.	26 0 23	25 19 1
	MAR.	27 13 7	27 7 27
	○	11 7 29	11 19 31
	APRIL	26 1 51	25 20 55
	MAY	25 14 35	25 11 27
	JUNE	24 3 19	21 2 45
	JULY	23 16 3	23 18 10
	AUG.	22 4 47	22 9 5
	SEPT.	20 17 31	20 23 9
	○	5 11 53	4 22 11
	OCT.	20 6 15	20 12 14
	NOV.	18 18 59	19 0 26
	DEC.	18 7 43	18 11 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 926. A. March. d. h. m. 16 5 14		d. h. m.	d. h. m.
	JAN.	16 20 28	16 22 36
	FEB.	15 9 12	15 8 44
	MAR.	16 21 56	16 18 52
	○	31 16 18	1 5 33
	APRIL	15 10 40	15 4 35
	MAY	14 23 24	14 15 39
	JUNE	13 12 8	13 4 16
	JULY	13 0 52	12 18 42
	AUG.	11 13 36	11 10 35
	SEPT.	10 2 20	10 3 12
	○	24 20 42	24 10 26
	OCT.	9 15 4	9 19 41
	NOV.	8 3 48	8 11 17
	DEC.	7 16 32	8 1 28
927. G. 16 11 2	JAN.	6 5 16	6 14 0
	FEB.	4 18 0	5 0 53
	MAR.	6 6 45	6 10 20
	APRIL	4 19 29	4 18 48
	MAY	4 8 13	4 3 8
	JUNE	2 20 57	2 12 1
	JULY	2 9 41	1 22 41
		31 22 25	31 11 44
	AUG.	30 11 9	30 3 15
	○	14 5 31	14 2 38
	SEPT.	28 23 53	28 20 41
	OCT.	28 12 37	28 14 57
	NOV.	27 1 21	27 8 46
	DEC.	26 14 5	27 1 0
928. F.E. 15 16 51	JAN.	25 2 49	25 14 53
	FEB.	23 15 33	24 2 19
	MAR.	24 4 17	24 11 34
	APRIL	22 17 1	22 19 19
	MAY	22 5 45	22 2 25
	JUNE	20 18 29	20 9 57
	JULY	20 7 13	19 19 1
	○	4 1 35	4 7 59
	AUG.	18 19 57	18 6 31
	SEPT.	17 8 41	16 21 5
	OCT.	16 21 25	16 14 23
	NOV.	15 10 9	15 9 24
	DEC.	14 22 53	15 4 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 929.		*d. h. m.*	*d. h. m.*
D.	JAN.	13 11 33	13 22 36
March.	○	23 6 0	28 0 8
d. h. m.	FEB.	12 0 22	12 13 57
15 22 40	MAR.	13 13 6	14 2 20
	APRIL	12 1 50	12 11 58
	MAY	11 14 34	11 19 39
	JUNE	10 8 18	10 2 22
	JULY	9 16 2	9 9 12
	○	24 10 24	24 15 0
	AUG.	8 4 46	7 17 18
	SEPT.	6 17 30	6 3 33
	OCT.	6 6 14	5 16 54
	NOV.	4 18 58	4 9 13
	DEC.	4 7 42	4 3 50
930.	JAN.	2 20 27	2 23 26
C.	○	17 14 49	17 14 14
	FEB.	1 9 11	1 18 15
16 4 29	MAR.	2 21 55	3 10 49
	APRIL	1 10 39	2 0 25
		30 23 23	1 11 2
	MAY	30 12 7	30 19 23
	JUNE	29 0 51	29 2 25
	○	18 19 13	18 16 11
	JULY	28 13 35	28 9 20
	AUG.	27 2 19	26 17 10
	SEPT.	25 15 3	25 2 49
	OCT.	25 3 47	24 14 57
	NOV.	23 16 31	23 5 49
	DEC.	23 5 15	22 23 4
	○	6 23 37	7 6 4
931.	JAN.	21 17 59	21 17 41
B.	FEB.	20 6 43	20 12 18
16 10 18	MAR.	21 19 27	22 5 31
	APRIL	20 8 11	20 20 19
	MAY	19 20 55	20 8 22
	JUNE	18 9 39	18 18 1
	JULY	17 22 23	18 2 12
	AUG.	16 11 7	16 9 55
	SEPT.	14 23 51	14 18 9
	OCT.	14 12 35	14 3 41
	NOV.	13 1 19	12 15 1
	DEC.	12 14 3	12 4 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 932.		*d. h. m.*	*d. h. m.*
A.G.	JAN.	11 2 48	10 19 37
March.	FEB.	9 15 32	9 12 19
d. h. m.	MAR.	10 4 16	10 5 33
15 16 7	APRIL	8 17 0	8 22 34
	MAY	8 5 41	8 14 9
	○	23 0 6	22 18 25
	JUNE	6 18 28	7 3 47
	JULY	6 7 12	6 15 20
	AUG.	4 19 56	5 1 19
	SEPT.	3 8 40	3 10 32
	OCT.	2 21 24	2 19 48
		1 10 8	1 5 43
	NOV. ○	16 4 30	16 6 59
		30 22 52	30 16 36
	DEC.	30 11 36	30 4 36
933.	JAN.	29 0 21	28 17 45
F.	FEB.	27 13 5	27 7 58
15 21 55	MAR.	29 1 49	28 23 8
	APRIL	27 14 33	27 14 51
	○	12 8 55	12 11 10
	MAY	27 3 17	27 6 30
	JUNE	25 16 1	25 21 23
	JULY	25 4 45	25 11 1
	AUG.	23 17 29	23 23 21
	SEPT.	22 6 13	22 10 42
	OCT.	21 18 57	21 21 32
	○	5 13 19	5 6 11
	NOV.	20 7 41	20 8 17
	DEC.	19 20 25	19 19 6
934.	JAN.	18 9 9	18 6 3
E.	FEB.	16 21 53	16 17 15
16 3 44	MAR.	18 10 37	18 4 58
	APRIL	16 23 21	16 17 36
	○	1 17 43	2 3 42
	MAY	16 12 5	16 7 23
	JUNE	15 0 49	14 22 17
	JULY	14 13 33	14 13 46
	AUG.	13 2 17	13 5 11
	SEPT.	11 15 1	11 19 59
	OCT.	11 3 45	11 9 51
	○	25 22 7	25 9 20
	NOV.	9 16 29	9 22 45
	DEC.	9 5 13	9 10 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 935.		*d. h. m.*	*d. h. m.*
D.	JAN. .	7 17 58	7 21 47
March.	FEB. .	6 6 42	6 8 8
d. h. m.	MAR. .	7 19 26	7 17 44
16 9 88	APRIL	6 8 10	6 8 20
	MAY .	5 20 54	5 18 82
	JUNE .	4 9 88	4 1 8
	JULY .	8 22 22	8 14 85
	AUG. .	2 11 6	2 5 51
		31 23 50	31 22 22
	SEPT. .	30 12 84	30 15 17
	OCT. .	30 1 18	30 7 42
	NOV. .	28 14 2	28 22 51
	DEC. .	28 2 46	28 12 20
936.	JAN. .	26 15 30	26 23 59
C.B.	FEB. .	25 4 14	25 9 58
	○	10 22 36	11 8 14
15 15 22	MAR. .	25 16 58	25 18 39
	APRIL	24 5 42	24 2 41
	MAY .	23 18 26	23 10 59
	JUNE .	22 7 10	21 20 34
	JULY .	21 19 54	21 8 19
	AUG. .	20 8 38	19 22 39
	○	4 3 0	4 2 23
	SEPT. .	18 21 22	18 15 23
	OCT. .	18 10 6	18 9 35
	NOV. .	16 22 50	17 4 1
	DEC. .	16 11 34	16 21 19
937.	JAN. .	15 0 19	15 12 29
A.	FEB. .	13 13 3	14 1 5
	○	28 7 25	23 3 58
15 21 11	MAR. .	15 1 47	15 11 14
	APRIL	13 14 31	13 19 30
	MAY .	13 3 15	13 2 39
	JUNE .	11 15 59	11 9 44
	JULY .	11 4 43	10 17 52
	AUG. .	9 17 27	9 4 5
	○	24 11 49	24 17 0
	SEPT. .	8 6 11	7 17 10
	OCT. .	7 18 55	7 9 13
	NOV. .	6 7 39	6 3 39
	DEC. .	5 20 28	5 23 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 938.		*d. h. m.*	*d. h. m.*
G.	JAN. .	4 9 8	4 17 58
	FEB. .	2 21 52	3 10 41
March.	○	17 16 14	17 10 32
d. h. m.	MAR. .	4 10 36	5 0 29
16 3 0	APRIL	2 23 20	3 11 20
	MAY .	2 12 4	2 19 48
	JUNE .	1 0 48	1 2 47
		30 13 32	30 9 26
	JULY .	30 2 16	29 16 49
	AUG. .	28 15 0	28 1 59
	SEPT. .	27 3 44	26 13 49
	OCT. .	26 16 28	26 4 42
	NOV. .	25 5 12	24 22 20
	DEC. .	24 17 56	24 17 37
	○	8 12 18	8 13 21
939.	JAN. .	23 6 40	23 12 56
F.	FEB. .	21 19 24	22 6 41
16 8 48	MAR. .	23 8 8	23 21 44
	APRIL	21 20 52	22 9 45
	MAY .	21 9 36	21 19 4
	JUNE .	19 22 20	20 2 39
	○	4 16 42	4 11 41
	JULY .	19 11 4	19 9 36
	AUG. .	17 23 48	17 16 59
	SEPT. .	16 12 32	16 1 46
	OCT. .	16 1 16	15 12 41
	NOV. .	14 14 0	14 2 13
	DEC. .	14 2 44	13 18 18
	○	28 21 6	29 4 48
940.	JAN. .	12 15 29	12 12 16
E.D.	FEB. .	11 4 13	11 6 53
15 14 37	MAR. .	11 16 57	12 0 47
	APRIL	10 5 41	10 16 47
	MAY .	9 18 25	10 6 10
	JUNE .	8 7 9	8 17 1
	○	23 1 31	22 15 15
	JULY .	7 19 53	8 1 55
	AUG. .	6 8 37	6 9 53
	SEPT. .	4 21 21	4 17 57
	OCT. .	4 10 5	4 2 56
	NOV. .	2 22 49	2 13 26
		2 11 33	2 1 46
	DEC. ○	17 5 55	17 16 13
		...	31 16 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 941. C.		*d. h. m.*	*d. h. m.*
	JAN. .	1 0 18	...
		30 13 2	30 7 48
March. *d. h. m.*	FEB. .	...	...
15 20 26	MAR. .	1 1 46	1 0 40
		30 14 30	30 17 41
	APRIL	29 8 14	29 9 55
	MAY .	28 15 58	29 0 34
	○	12 10 20	12 2 5
	JUNE .	27 4 42	27 13 15
	JULY .	26 17 26	27 0 7
	AUG. .	25 6 10	25 9 51
	SEPT. .	23 18 54	23 19 16
	OCT. .	23 7 38	23 5 0
	NOV. .	21 20 22	21 15 29
	DEC. .	21 9 6	21 2 54
942. B.	JAN. .	19 21 50	19 15 17
	FEB. .	18 10 34	18 4 42
16 2 15	MAR. .	19 23 18	19 19 6
	APRIL	18 12 2	18 10 21
	MAY .	18 0 46	18 1 59
	JUNE .	16 13 30	16 17 19
	JULY .	16 2 14	16 7 44
	AUG. .	14 14 58	14 20 57
	SEPT. .	13 3 42	13 9 1
	OCT. .	12 16 26	12 20 20
	NOV. .	11 5 10	11 7 18
	DEC. .	10 17 54	10 18 9
943. A.	JAN. .	9 6 30	9 5 0
	FEB. .	7 19 23	7 15 52
16 8 4	MAR. .	9 8 7	9 3 0
	APRIL	7 20 51	7 14 49
	○	22 15 13	23 3 3
	MAY .	7 9 35	7 3 46
	JUNE .	5 22 19	5 17 59
	JULY .	5 11 8	5 9 13
	AUG. .	3 23 47	4 0 53
	SEPT. .	2 12 31	2 16 19
	OCT. ○	2 1 15	2 7 0
		16 19 37	16 6 19
		31 13 59	31 20 39
	NOV. .	30 2 43	30 9 14
	DEC. .	29 15 27	29 20 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 944. G.F.		*d. h. m.*	*d. h. m.*
March. *d. h. m.*	JAN. .	28 4 12	28 7 24
15 13 52	FEB. .	26 16 56	26 17 9
	MAR. .	27 5 40	27 2 27
	○	11 0 2	11 12 46
	APRIL	25 18 24	25 12 0
	MAY .	25 7 8	24 22 35
	JUNE .	23 19 52	23 10 57
	JULY .	23 8 36	23 1 20
	AUG. .	21 21 20	21 17 26
	SEPT. .	20 10 4	20 10 31
	○	5 4 26	4 18 48
	OCT. .	19 22 48	20 3 43
	NOV. .	18 11 32	18 19 39
	DEC. .	18 0 16	18 10 10
945. E.	JAN. .	16 13 0	16 22 45
	FEB. .	15 1 44	15 9 26
15 19 41	MAR. .	16 14 28	16 18 31
	APRIL	15 3 12	15 2 35
	MAY .	14 15 56	14 10 26
	JUNE .	13 4 40	12 19 6
	JULY .	12 17 24	12 5 37
	AUG. .	11 6 8	10 18 39
	SEPT. .	9 18 52	9 10 20
	○	24 13 14	24 10 54
	OCT. .	9 7 36	9 4 8
	NOV. .	7 20 20	7 22 50
	DEC. .	7 9 4	7 17 0
946. D.	JAN. .	5 21 49	6 9 25
	FEB. .	4 10 33	4 23 18
16 1 30	MAR. .	5 23 17	6 10 32
	APRIL	4 12 1	4 19 31
	MAY .	4 0 45	4 2 57
	JUNE .	2 13 29	2 9 51
	JULY .	2 2 13	1 17 16
		31 14 57	31 2 19
	AUG. .	30 3 41	29 13 57
	SEPT. .	28 16 25	28 4 38
	OCT. .	28 5 9	27 22 6
	NOV. .	26 17 53	26 17 20
	DEC. .	26 6 37	26 12 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 947. C.	JAN.	24 19 21	25 6 40
March. d. h. m. 16 7 19	○	8 13 48	8 8 31
	FEB.	23 8 5	23 21 55
	MAR.	24 20 49	25 10 7
	APRIL	23 9 33	23 19 35
	MAY	22 22 17	23 3 7
	JUNE	21 11 1	21 9 47
	JULY	20 23 45	20 16 42
	○	4 18 7	4 21 50
	AUG.	19 12 29	19 0 56
	SEPT.	18 1 13	17 11 27
	OCT.	17 13 57	17 0 53
	NOV.	16 2 41	15 17 15
	DEC.	15 15 25	15 11 52
948. B.A.	JAN.	14 4 10	14 7 18
	○	28 22 32	28 22 58
	FEB.	12 16 54	13 1 55
15 13 8	MAR.	13 5 38	13 18 20
	APRIL	11 18 22	12 7 46
	MAY	11 7 6	11 18 20
	JUNE	9 19 50	10 2 41
	JULY	9 8 34	9 9 54
	○	24 2 56	23 22 45
	AUG.	7 21 18	7 17 8
	SEPT.	6 10 2	6 1 9
	OCT.	5 22 46	5 11 4
	NOV.	4 11 30	3 23 20
	DEC.	4 0 14	3 14 9
949. G.	JAN.	2 12 59	2 7 11
	○	17 7 21	17 14 53
	FEB.	1 1 43	1 1 26
15 18 57	MAR.	2 14 27	2 19 40
	APRIL	1 8 11	1 12 33
		30 15 55	1 3 17
	MAY	30 4 39	30 15 21
	JUNE	28 17 23	29 1 14
	JULY	28 6 7	28 9 43
	AUG.	26 18 51	26 17 49
	SEPT.	25 7 35	25 2 27
	OCT.	24 20 19	24 12 17
	NOV.	23 9 3	22 23 44
	DEC.	22 21 47	22 12 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 950. F. March. d. h. m. 16 0 45	JAN.	21 10 31	21 3 48
	FEB.	19 23 15	19 19 58
	MAR.	21 11 59	21 12 45
	APRIL	20 0 43	20 5 19
	MAY	19 13 27	19 20 47
	○	3 7 49	3 1 45
	JUNE	18 2 11	18 10 31
	JULY	17 14 55	17 22 24
	AUG.	16 3 39	16 8 52
	SEPT.	14 16 23	14 18 35
	OCT.	14 5 7	14 4 18
	NOV.	12 17 51	12 14 32
	○	27 12 13	27 14 56
	DEC.	12 6 35	12 1 31
951. E. 16 6 34	JAN.	10 19 20	10 13 19
	FEB.	9 8 4	9 1 59
	MAR.	10 20 48	10 15 35
	APRIL	9 9 32	9 6 10
	MAY	8 22 16	8 21 28
	○	23 16 38	23 18 40
	JUNE	7 11 0	7 12 57
	JULY	6 23 44	7 3 58
	AUG.	5 12 28	5 18 1
	SEPT.	4 1 12	4 6 54
	OCT.	3 13 56	3 18 50
	NOV.	2 2 40	2 6 11
	○	16 21 2	16 14 6
	DEC.	1 15 21	1 17 12
		31 4 8	31 4 3
952. D.C. 15 12 23	JAN.	29 16 53	29 14 45
	FEB.	28 5 37	28 1 28
	MAR.	28 18 21	28 12 35
	APRIL	27 7 5	27 0 39
	○	12 1 27	12 11 8
	MAY	26 19 49	26 14 2
	JUNE	25 8 33	25 4 45
	JULY	24 21 17	24 20 20
	AUG.	23 10 1	23 12 11
	SEPT.	21 22 45	22 8 35
	OCT.	21 11 29	21 18 3
	○	5 5 51	4 17 35
	NOV.	20 0 13	20 7 25
	DEC.	19 12 57	19 19 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 953. B. March. d. h. m. 15 18 12	JAN.	18 1 41	18 6 38
	FEB.	16 14 25	16 16 36
	MAR.	18 8 9	18 1 50
	APRIL	16 15 53	16 10 54
	MAY	16 4 37	15 20 39
	JUNE	14 17 21	14 7 54
	JULY	14 6 5	13 21 13
	AUG.	12 18 49	12 12 34
	SEPT.	11 7 33	11 5 27
	OCT.	10 20 17	10 22 55
	NOV.	9 9 1	9 15 50
	DEC.	8 21 45	9 7 23
954. A. 16 0 1	JAN.	7 10 30	7 21 2
	FEB.	5 23 14	6 8 36
	MAR.	7 11 58	7 18 17
	○	22 6 20	22 10 21
	APRIL	6 0 42	6 2 34
	MAY	5 13 26	5 10 14
	JUNE	4 2 10	3 18 13
	JULY	3 14 54	3 3 36
	AUG.	2 3 38	1 15 18
		31 16 22	31 5 45
	○	15 10 44	15 10 29
	SEPT.	30 5 6	29 22 44
	OCT.	29 17 59	29 17 20
	NOV.	28 6 34	28 12 7
	DEC.	27 19 18	23 5 38
955. G. 16 5 50	JAN.	26 8 3	26 20 53
	FEB.	24 20 47	25 9 21
	○	11 15 9	11 11 22
	MAR.	26 9 31	26 19 14
	APRIL	24 22 15	25 3 13
	MAY	24 10 59	24 10 9
	JUNE	22 23 43	22 17 7
	JULY	22 12 27	22 1 12
	AUG.	21 1 11	20 11 23
	○	4 19 33	5 0 44
	SEPT.	19 13 55	19 0 42
	OCT.	19 2 39	18 16 57
	NOV.	17 15 23	17 11 34
	DEC.	17 4 7	17 7 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 956. F.E. March. d. h. m. 15 11 38	JAN.	15 16 51	16 1 59
	FEB.	14 5 35	14 18 37
	○	28 23 57	28 18 35
	MAR.	14 18 19	15 8 17
	APRIL	13 7 8	13 18 57
	MAY	12 19 47	13 3 16
	JUNE	11 8 31	11 10 12
	JULY	10 21 15	10 16 54
	AUG.	9 9 59	9 0 25
	SEPT.	7 22 43	7 9 48
	OCT.	7 11 27	6 21 48
	NOV.	6 0 11	5 12 46
	DEC.	5 12 55	5 6 23
957. D. 15 17 27	JAN.	4 1 40	4 1 32
	○	18 20 2	18 22 13
	FEB.	2 14 24	2 20 39
	MAR.	4 3 8	4 14 12
	APRIL	2 15 52	3 5 5
	MAY	2 4 36	2 17 0
		31 17 20	1 2 22
	JUNE	30 6 4	30 10 4
	JULY	29 18 48	29 17 14
	AUG.	28 7 32	28 0 54
	SEPT.	26 20 16	26 9 58
	OCT.	26 9 0	25 21 6
	NOV.	24 21 44	24 10 40
	DEC.	24 10 28	24 2 34
958. C. 15 23 16	○	8 4 51	8 13 39
	JAN.	22 23 13	22 20 10
	FEB.	21 11 57	21 14 22
	MAR.	23 0 41	23 7 56
	APRIL	21 13 25	21 23 43
	MAY	21 2 9	21 13 6
	JUNE	19 14 53	20 0 5
	○	4 9 15	3 22 8
	JULY	19 3 37	19 9 17
	AUG.	17 16 21	17 17 33
	SEPT.	16 5 5	16 2 8
	OCT.	15 17 49	15 11 29
	NOV.	14 6 33	13 22 11
	DEC.	13 19 17	13 10 29
	○	28 13 39	29 0 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 959.		d. h. m.	d. h. m.
B. March. d. h. m. 16 5 5	JAN.	12 8 1	12 0 23
	FEB.	10 20 45	10 15 42
	MAR.	12 9 29	12 8 0
	APRIL	10 22 13	11 0 34
	MAY	10 10 57	10 16 33
	JUNE	8 23 41	9 7 12
	○	23 18 8	23 9 21
	JULY	8 12 25	8 20 7
	AUG.	7 1 9	7 7 27
	SEPT.	5 13 53	5 17 42
	OCT.	5 2 37	5 3 36
	NOV.	3 15 21	3 13 44
	DEC.	3 4 5	3 0 24
960. A.G. 15 10 54	JAN.	1 16 50	1 11 44
		31 5 34	30 23 46
	FEB.	29 18 18	29 12 36
	MAR.	30 7 2	30 2 23
	APRIL	28 19 46	28 17 7
	MAY	28 8 30	28 8 27
	JUNE	26 21 14	26 23 47
	JULY	26 9 58	26 14 32
	AUG.	24 22 42	25 4 16
	SEPT.	23 11 26	23 16 57
	OCT.	23 0 10	23 4 48
	NOV.	21 12 54	21 16 9
	DEC.	21 1 38	21 3 8
961. F 15 16 43	JAN.	19 14 23	19 13 50
	FEB.	18 3 7	18 0 17
	MAR.	19 15 51	19 10 51
	APRIL	18 4 35	17 22 7
	○	2 22 57	3 10 23
	MAY	17 17 19	17 10 34
	JUNE	16 6 3	16 0 30
	JULY	15 18 47	15 15 43
	AUG.	14 7 31	14 7 41
	SEPT.	12 20 15	12 23 40
	OCT.	12 8 59	12 14 57
	○	27 3 21	26 14 36
	NOV.	10 21 43	11 5 9
	DEC.	10 10 27	10 18 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 962.		d. h. m.	d. h. m.
E. March. d. h. m. 15 22 31	JAN.	8 23 11	9 5 41
	FEB.	7 11 55	7 16 3
	MAR.	9 0 39	9 1 24
	APRIL	7 13 23	7 10 13
	○	22 7 45	22 19 51
	MAY	7 2 7	6 19 17
	JUNE	5 14 51	5 5 31
	JULY	5 3 35	4 17 39
	AUG.	3 16 19	3 8 2
	SEPT.	2 5 3	2 0 24
	OCT. ○	1 17 47	1 17 55
		16 12 9	16 3 15
		31 6 31	31 11 29
	NOV.	29 19 15	30 4 2
	DEC.	29 7 59	29 18 46
963. D. 16 4 20	JAN.	27 20 41	28 7 22
	FEB.	26 9 28	26 17 49
	MAR.	27 22 12	28 2 34
	○	11 16 34	11 22 10
	APRIL	26 10 56	26 10 15
	MAY	25 23 40	25 17 48
	JUNE	24 12 24	24 2 15
	JULY	24 1 8	23 12 39
	AUG.	22 13 52	22 1 44
	SEPT.	21 2 36	20 17 38
	○	5 20 58	5 19 19
	OCT.	20 15 20	20 11 43
	NOV.	19 4 4	19 6 46
	DEC.	18 16 48	19 1 12
964. C.B. 15 10 9	JAN.	17 5 32	17 17 44
	FEB.	15 18 16	16 7 33
	MAR.	16 7 0	16 18 35
	APRIL	14 19 44	15 3 17
	MAY	14 8 28	14 10 31
	JUNE	12 21 12	12 17 15
	JULY	12 9 56	12 0 37
	AUG.	10 22 40	10 9 43
	SEPT.	9 11 24	8 21 27
	OCT.	9 0 8	8 12 18
	NOV.	7 12 52	7 5 57
	DEC.	7 1 36	7 1 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 965.		d. h. m.	d. h. m.
A.	JAN. .	5 14 21	5 20 44
March.	FEB. .	4 3 5	4 14 36
d. h. m.	○	18 21 27	18 16 49
15 15 58	MAR. .	5 15 49	6 5 45
	APRIL	4 4 33	4 17 47
	MAY .	3 17 17	4 3 7
	JUNE .	2 6 1	2 10 34
	JULY .	1 18 45	1 17 16
		31 7 29	31 0 19
	○	15 1 51	15 4 46
	AUG. .	29 20 13	29 8 41
	SEPT. .	28 8 57	27 19 27
	OCT. .	27 21 41	27 9 1
	NOV. .	26 10 25	26 1 23
	DEC. .	25 23 9	25 19 51
966.	JAN. .	24 11 54	24 15 6
G.	○	8 6 16	8 7 37
	FEB. .	23 0 38	23 9 29
15 21 47	MAR. .	24 13 22	25 1 41
	APRIL	23 2 6	23 15 1
	MAY .	22 14 50	23 1 33
	JUNE .	21 3 34	21 10 1
	JULY .	20 16 18	20 17 26
	○	4 10 40	4 5 25
	AUG. .	19 5 2	19 0 51
	SEPT. .	17 17 46	17 9 18
	OCT. .	17 6 30	16 19 28
	NOV. .	15 19 14	15 7 51
	DEC. .	15 7 58	14 22 33
967.	JAN. .	13 20 42	13 15 14
F.	○	28 15 4	28 23 34
	FEB. .	12 9 26	12 9 8
16 3 36	MAR. .	13 22 10	14 2 54
	APRIL	12 10 54	12 19 32
	MAY .	11 23 38	12 10 7
	JUNE .	10 12 22	10 22 19
	JULY .	10 1 6	10 8 28
	AUG. .	8 13 50	8 17 18
	SEPT. .	7 2 34	7 1 49
	OCT. .	6 15 18	6 10 52
	NOV. .	5 4 2	4 21 1
	DEC. .	4 16 46	4 8 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 968.		d. h. m.	d. h. m.
E.D.	JAN. .	3 5 31	2 21 32
March.	FEB. .	1 18 15	1 11 57
d. h. m.	MAR. .	2 6 59	2 3 32
15 9 24		31 19 43	31 19 48
	APRIL	30 8 27	30 12 0
	MAY .	29 21 11	30 3 20
	○	13 15 33	13 9 6
	JUNE .	28 9 55	28 17 14
	JULY .	27 22 39	28 5 31
	AUG. .	26 11 23	26 16 30
	SEPT. .	25 0 7	25 2 46
	OCT. .	24 12 51	24 12 57
	NOV. .	23 1 35	22 23 28
	○	7 19 57	7 22 56
	DEC. .	22 14 19	22 10 27
969.	JAN. .	21 3 4	20 21 59
C.	FEB. .	19 15 48	19 10 8
15 15 13	MAR. .	21 4 32	20 23 7
	APRIL	19 17 16	19 13 7
	MAY .	19 6 0	19 4 1
	○	3 0 22	3 2 8
	JUNE .	17 18 44	17 19 23
	JULY .	17 7 28	17 10 35
	AUG. .	15 20 12	16 1 5
	SEPT. .	14 8 56	14 14 31
	OCT. .	13 21 40	14 3 7
	NOV. .	12 10 24	12 14 55
	○	27 4 46	26 22 6
	DEC. .	11 23 8	12 2 10
970.	JAN. .	10 11 52	10 12 57
B.	FEB. .	9 0 36	8 23 20
15 21 2	MAR. .	10 13 20	10 9 33
	APRIL	9 2 4	8 20 6
	MAY .	8 14 48	8 7 38
	○	23 9 10	23 18 28
	JUNE .	7 3 32	6 20 38
	JULY .	6 16 16	6 11 13
	AUG. .	5 5 0	5 3 0
	SEPT. .	3 17 44	3 19 17
	OCT. .	3 6 28	3 11 15
	NOV. .	1 19 12	2 2 20
	○	16 13 34	16 1 55
	DEC. .	1 7 56	1 16 6
		30 20 40	31 4 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 971.		d. h. m.	d. h. m.
A. March. d. h. m. 16 2 51	JAN. .	29 9 25	29 15 22
	FEB. .	27 22 9	28 1 1
	MAR. .	29 10 58	29 9 49
	APRIL	27 23 37	27 18 25
	MAY .	27 12 21	27 8 45
	JUNE .	26 1 5	25 14 43
	JULY .	25 13 49	25 3 57
	AUG. .	24 2 33	23 19 29
	SEPT. .	22 15 17	22 12 43
	OCT. .	22 4 1	22 6 38
	NOV. .	20 16 45	21 0 3
	DEC. .	20 5 29	20 15 55
972. G.F. 15 8 40	JAN. .	18 18 14	19 5 40
	FEB. .	17 6 58	17 17 4
	MAR. .	17 19 42	18 2 27
	○ APRIL	1 14 4 16 8 26	1 17 19 16 10 23
	MAY .	15 21 10	15 17 43
	JUNE .	14 9 54	14 1 28
	JULY .	13 22 38	13 10 43
	AUG. .	12 11 22	11 22 25
	SEPT. .	11 0 6	10 13 0
	○ OCT. .	25 18 28	25 18 46
	NOV. .	10 12 50	10 6 15
	DEC. .	9 1 34	9 1 8
		8 14 18	8 20 11
973. B. 15 14 29	JAN. .	7 3 2	7 13 54
	FEB. .	5 15 46	6 5 6
	MAR. .	7 4 30	7 17 25
	○ APRIL	21 22 52	21 18 43
	MAY .	5 17 14	6 3 6
	JUNE .	5 5 58	5 10 50
	JULY .	3 18 42	3 17 36
	AUG. .	3 7 26	3 0 30
	SEPT. .	1 20 10	1 8 37
	○ OCT. .	31 8 54	30 19 1
	NOV. .	15 8 16	15 8 33
	DEC. .	29 21 33	29 8 22
		29 10 22	29 0 45
		27 23 6	27 19 28
		27 11 50	27 15 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 974.		d. h. m.	d. h. m.
D. March. d. h. m. 15 20 17	JAN. .	26 0 35	26 9 54
	FEB. .	24 13 19	25 2 26
	○ MAR. .	11 7 41 26 2 3	11 2 32 26 15 57
	APRIL	24 14 47	25 2 29
	MAY .	24 3 31	24 10 43
	JUNE .	22 16 15	22 17 40
	JULY .	22 4 59	22 0 27
	AUG. .	20 17 43	20 8 11
	SEPT. .	19 6 27	18 17 47
	OCT. .	18 19 11	18 5 57
	NOV. .	17 7 55	16 20 59
	DEC. .	16 20 39	16 14 29
975. C. 16 2 6	JAN. .	15 9 23	15 9 24
	FEB. .	13 22 7	14 4 16
	MAR. .	15 10 51	15 21 33
	APRIL	13 23 35	14 12 17
	MAY .	13 12 19	14 0 10
	JUNE .	12 1 3	12 9 36
	JULY .	11 13 47	11 17 30
	AUG. .	10 2 31	10 0 56
	SEPT. .	8 15 15	8 8 56
	OCT. .	8 3 59	7 18 19
	NOV. .	6 16 43	6 5 39
	DEC. .	6 5 27	5 19 10
976. B.A. 15 7 55	JAN. .	4 18 12	4 10 50
	○ FEB. .	19 12 34	19 22 21
	MAR. .	3 6 56	3 3 59
	APRIL	3 19 40	3 21 44
	MAY .	2 8 24	2 14 55
	JUNE .	1 21 8 31 9 52	2 6 30 31 19 55
	○ JULY .	29 22 36	30 7 8
	AUG. .	14 16 58 29 11 20	14 5 5 29 16 42
	SEPT. .	28 0 4	28 1 30
	OCT. .	26 12 48	26 10 25
	NOV. .	26 1 32	25 20 8
	DEC. .	24 14 16	24 7 0
		24 3 0	23 19 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 977. G.		d. h. m.	d. h. m.
	○	7 21 22	8 9 7
March. d. h. m. 15 18 44	JAN. .	22 15 45	22 8 45
	FEB. .	21 4 29	20 23 31
	MAR. .	22 17 13	22 15 13
	APRIL	21 5 57	21 7 19
	MAY .	20 18 41	20 23 4
	JUNE .	19 7 25	19 13 48
	○	4 1 47	3 16 33
	JULY .	18 20 9	19 3 3
	AUG. .	17 8 53	17 14 52
	SEPT. .	15 21 37	16 1 41
	OCT. .	15 10 21	15 12 6
	NOV. .	13 23 5	13 22 35
	DEC. .	13 11 49	13 9 23
978. F. 15 19 33	JAN. .	12 0 33	11 20 32
	FEB. .	10 13 17	10 8 8
	MAR. .	12 2 1	11 20 22
	APRIL	10 14 45	10 9 32
	MAY .	10 3 29	9 23 47
	JUNE .	8 16 13	8 14 53
	JULY .	8 4 57	8 6 17
	AUG. .	6 17 41	6 21 24
	SEPT. .	5 6 25	5 11 40
	OCT. .	4 19 9	5 0 58
	NOV. .	3 7 53	3 13 23
	DEC. .	2 20 37	3 1 3
979. E. 16 1 22	JAN. .	1 9 22	1 12 7
		30 22 6	30 22 33
	FEB. .	...	...
	MAR. .	1 10 50	1 8 34
		30 23 34	30 18 36
	APRIL	29 12 18	29 5 17
	○	14 6 40	14 17 45
	MAY .	29 1 2	28 17 18
	JUNE .	27 13 46	27 7 1
	JULY .	27 2 30	26 22 20
	AUG. .	25 15 14	25 14 37
	SEPT. .	24 3 58	24 7 5
	OCT. .	23 16 42	23 22 58
	○	7 11 4	6 23 0
	NOV. .	22 5 26	22 13 40
	DEC. .	21 18 10	22 2 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 980. D.C.		d. h. m.	d. h. m.
March. d. h. m. 15 7 10	JAN. .	20 6 55	20 14 29
	FEB. .	18 19 39	19 0 36
	MAR. .	19 8 23	19 9 32
	APRIL	17 21 7	17 17 54
	○	2 15 29	3 2 47
	MAY .	17 9 51	17 2 34
	JUNE .	15 22 35	15 12 28
	JULY .	15 11 19	15 0 27
	AUG. .	14 0 3	13 14 54
	SEPT. .	12 12 47	12 7 31
	OCT. .	12 1 31	12 1 27
	○	26 19 53	26 11 52
	NOV. .	10 14 15	10 19 29
	DEC. .	10 2 59	10 12 26
981. B. 15 12 59	JAN. .	8 15 43	9 3 21
	FEB. .	7 4 27	7 15 52
	MAR. .	8 17 11	9 2 5
	APRIL	7 5 55	7 10 29
	○	22 0 17	22 4 54
	MAY .	6 18 39	6 17 51
	JUNE .	5 7 23	5 1 7
	JULY .	4 20 7	4 9 25
	AUG. .	3 8 51	2 19 48
	SEPT. .	1 21 35	1 8 58
		1 10 19	1 1 4
	OCT. ○	16 4 41	16 3 52
		30 23 3	30 19 25
	NOV. .	29 11 47	29 14 44
	DEC. .	29 0 31	29 9 23
982. A. 15 18 48	JAN. .	27 13 16	28 1 57
	FEB. .	26 2 0	26 15 42
	MAR. .	27 14 44	28 2 30
	APRIL	26 3 28	26 10 58
	MAY .	25 16 12	25 18 1
	JUNE .	24 4 56	24 0 41
	JULY .	23 17 40	23 8 4
	AUG. .	22 6 24	21 17 16
	SEPT. .	20 19 8	20 5 10
	OCT. .	20 7 52	19 20 9
	NOV. .	18 20 36	18 13 53
	DEC. .	18 9 20	18 9 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 983. G.		*d. h. m.*	*d. h. m.*
	JAN.	16 22 5	17 4 40
	FEB.	15 10 49	15 22 24
March. *d. h. m.* 16 0 37	○	2 5 11	2 1 0
	MAR.	16 23 33	17 13 23
	APRIL	15 12 17	16 1 17
	MAY	15 1 1	15 10 32
	JUNE	13 13 45	13 17 59
	JULY	13 2 29	13 0 46
	AUG.	11 15 13	11 8 1
	○	26 9 35	26 11 47
	SEPT.	10 3 57	9 16 41
	OCT.	9 16 41	9 3 37
	NOV.	8 5 25	7 17 16
	DEC.	7 18 9	7 9 35
984. F.E.	JAN.	6 6 53	6 3 51
	FEB.	4 19 37	4 22 46
	○	19 13 59	19 16 8
15 6 26	MAR.	5 8 21	5 16 52
	APRIL	3 21 5	4 8 50
	MAY	3 9 49	3 22 6
	JUNE	1 22 33	2 8 43
	JULY	1 11 17	1 17 20
		31 0 1	31 1 1
	○	14 18 23	14 12 11
	AUG.	29 12 45	29 8 48
	SEPT.	28 1 29	27 17 35
	OCT.	27 14 13	27 4 0
	NOV.	26 2 57	25 16 26
	DEC.	25 15 41	25 6 58
985. D.	JAN.	24 4 26	23 23 16
	○	7 22 48	8 8 9
	FEB.	22 17 10	22 16 35
15 12 15	MAR.	24 5 54	24 9 59
	APRIL	22 18 33	23 2 20
	MAY	22 7 22	22 16 52
	JUNE	20 20 6	21 5 15
	JULY	20 8 50	20 15 42
	○	4 3 12	3 14 49
	AUG.	18 21 34	19 1 0
	SEPT.	17 10 18	17 10 0
	OCT.	16 23 2	16 19 27
	NOV.	15 11 46	15 5 50
	DEC.	15 0 30	14 17 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 986. C.		*d. h. m.*	*d. h. m.*
	JAN.	13 13 15	13 6 5
	FEB.	12 1 59	11 20 0
March. *d. h. m.* 15 18 3	MAR.	13 14 43	13 10 59
	APRIL	12 3 27	12 2 41
	MAY	11 16 11	11 18 33
	JUNE	10 4 55	10 9 52
	○	24 23 17	24 16 28
	JULY	9 17 39	10 0 0
	AUG.	8 6 23	8 12 44
	SEPT.	6 19 7	7 0 16
	OCT.	6 7 51	6 11 5
	NOV.	4 20 35	4 21 42
	DEC.	4 9 19	4 8 26
	○	19 3 41	19 6 57
987. B.	JAN.	2 22 3	2 19 21
	FEB.	1 10 47	1 6 32
15 23 52	MAR.	2 23 31	2 18 9
	APRIL	1 12 15	1 6 31
			30 19 58
	MAY	1 0 59	
		30 13 43	30 10 30
	○	14 8 5	14 9 33
	JUNE	29 2 27	29 1 49
	JULY	28 15 11	28 17 16
	AUG.	27 3 55	27 8 15
	SEPT.	25 16 39	25 22 21
	OCT.	25 5 23	25 11 28
	NOV.	23 18 7	23 23 42
	○	8 12 29	8 6 11
	DEC.	23 6 51	23 11 6
988. A.G.	JAN.	21 19 36	21 21 48
	FEB.	20 8 20	20 7 48
15 5 41	MAR.	20 21 4	20 17 31
	APRIL	19 9 48	19 3 32
	MAY	18 22 32	18 14 34
	○	2 16 54	3 1 45
	JUNE	17 11 16	17 3 16
	JULY	17 0 0	16 17 48
	AUG.	15 12 44	15 9 48
	SEPT.	14 1 28	14 2 30
	OCT.	13 14 12	13 19 4
	NOV.	12 2 56	12 10 40
	○	26 21 18	26 10 22
	DEC.	11 15 40	12 0 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 989.		d. h. m.	d. h. m.
F. March. d. h. m. 15 11 29	JAN.	10 4 24	10 13 16
	FEB.	8 17 8	9 0 0
	MAR.	10 5 52	10 9 18
	APRIL	8 18 36	8 17 39
	MAY	8 7 20	8 1 50
	JUNE	6 20 4	6 10 49
	JULY	6 8 48	5 21 36
	AUG.	4 21 32	4 10 47
	SEPT.	3 10 16	3 2 29
	OCT.	2 23 0	2 20 5
	NOV.	1 11 44	1 14 27
	DEC.	1 0 28 30 13 12	1 8 17 31 0 23
990. E. 15 17 18	JAN.	29 1 57	29 14 9
	FEB.	27 14 41	28 1 22
	MAR.	29 3 25	29 10 28
	○ APRIL	12 21 47 27 16 9	13 0 9 27 18 4
	MAY	27 4 58	27 1 9
	JUNE	25 17 37	25 8 42
	JULY	25 6 21	24 17 54
	AUG.	23 19 5	23 5 39
	SEPT.	22 7 49	21 20 23
	○ OCT.	7 2 11 21 20 33	7 3 9 21 13 52
	NOV.	20 9 17	20 9 0
	DEC.	19 22 1	20 4 17
991. D. 15 23 7	JAN.	18 10 46	18 22 4
	FEB.	16 23 30	17 13 13
	MAR.	18 12 14	19 1 21
	○ APRIL	2 6 36 17 0 58	2 1 58 17 10 49
	MAY	16 13 42	16 18 22
	JUNE	15 2 26	15 1 2
	JULY	14 15 10	14 7 56
	AUG.	13 3 54	12 16 10
	SEPT.	11 16 38	11 2 43
	○ OCT.	26 11 0	26 16 31
	NOV.	11 5 22	10 16 13
	DEC.	9 6 50	9 3 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 992.		d. h. m.	d. h. m.
C.B. March. d. h. m. 15 4 56	JAN.	7 19 34	7 [illegible]
	FEB.	6 8 13	6 [illegible]
	MAR.	6 21 2	7 [illegible]
	○ APRIL	21 15 24 5 9 46	21 [illegible] 5 [illegible]
	MAY	4 22 30	5 [illegible]
	JUNE	3 11 14	3 1[illegible]
	JULY	2 23 56	3 [illegible]
	AUG.	1 12 42 31 1 26	1 [illegible] 30 1[illegible]
	○ SEPT.	14 19 48 29 14 10	14 [illegible] 29 1
	OCT.	29 2 54	28 14 [illegible]
	NOV.	27 15 33	27 5 1[illegible]
	DEC.	27 4 22	25 22 [illegible]
993. A. 15 10 45	JAN.	25 17 7	25 17 1[illegible]
	FEB.	24 5 51	24 11 43
	MAR.	25 18 35	26 4 46
	APRIL	24 7 19	24 19 21
	MAY	23 20 3	24 7 14
	JUNE	22 8 47	22 16 49
	JULY	21 21 31	22 0 59
	AUG.	20 10 15	20 8 46
	SEPT.	18 22 59	18 17 8
	OCT.	18 11 43	18 2 50
	NOV.	17 0 27	16 14 18
	DEC.	16 13 11	16 3 45
994. G. 15 16 34	JAN.	15 1 56	14 19 3
	○ FEB.	29 20 18	30 6 59
	MAR.	13 14 40	13 11 44
	APRIL	15 3 24	15 4 57
	MAY	13 16 8	13 21 45
	JUNE	13 4 52	13 13 12
	JULY	11 17 36	12 2 42
	○ AUG.	11 6 20 26 0 42	11 14 13 25 12 8
	SEPT.	9 19 4	10 0 13
	OCT.	8 7 48	8 9 30
	NOV.	7 20 32	7 18 52
	DEC.	6 9 16	6 4 55
		5 22 0	5 15 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 995. F.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 15 22 22	JAN.	4 10 44	4 8 55
	○	19 5 6	19 17 25
	FEB.	2 28 28	2 17 2
	MAR.	4 12 12	4 7 12
	APRIL	3 0 56	2 22 18
	MAY	2 18 40	2 13 57
	JUNE	1 2 24	1 5 34
		30 15 8	30 20 24
	○	15 9 30	15 0 1
	JULY	30 3 52	30 10 0
	AUG.	28 16 36	28 22 22
	SEPT.	27 5 20	27 9 46
	OCT.	26 18 4	26 20 42
	NOV.	25 6 48	25 7 29
	DEC.	24 19 32	24 18 20
996. E.D. 15 4 11	JAN.	23 8 17	23 5 17
	FEB.	21 21 1	21 16 23
	MAR.	22 9 45	22 4 2
	APRIL	20 22 29	20 16 39
	MAY	20 11 13	20 6 26
	JUNE	18 23 57	18 21 19
	JULY	18 12 41	18 12 51
	AUG.	17 1 25	17 4 20
	SEPT.	15 14 9	15 19 11
	OCT.	15 2 53	15 9 7
	NOV.	13 15 37	13 22 2
	DEC.	13 4 21	13 9 58
997. C. 15 10 0	JAN.	11 17 5	11 20 59
	FEB.	10 5 49	10 7 9
	MAR.	11 18 34	11 16 45
	APRIL	10 7 18	10 2 15
	MAY	9 20 2	9 12 27
	○	24 14 24	25 0 58
	JUNE	8 8 46	8 0 5
	JULY	7 21 30	7 13 37
	AUG.	6 10 14	6 5 0
	SEPT.	4 22 58	4 21 38
	OCT.	4 11 42	4 14 39
	NOV.	3 0 26	3 7 6
	○	17 18 48	17 7 31
	DEC.	2 13 10	2 22 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 998. B.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 15 15 49	JAN.	1 1 54	1 11 38
		30 14 38	30 23 10
	FEB.	...	...
	MAR.	1 3 22	1 9 0
		30 16 6	30 17 32
	APRIL	29 4 50	29 1 29
	○	13 23 12	14 9 37
	MAY	28 17 34	28 9 46
	JUNE	27 6 18	26 19 25
	JULY	26 19 2	26 7 19
	AUG.	25 7 46	24 21 51
	SEPT.	23 20 30	23 14 45
	OCT.	23 9 14	23 9 5
	○	7 3 36	6 20 36
	NOV.	21 21 58	22 8 34
	DEC.	21 10 42	21 20 47
999. A. 15 21 38	JAN.	19 23 27	20 11 50
	FEB.	18 12 11	19 0 14
	MAR.	20 0 55	20 10 12
	APRIL	18 13 39	18 18 18
	○	3 8 1	3 11 34
	MAY	18 2 23	18 1 21
	JUNE	16 15 7	16 8 28
	JULY	16 3 51	15 16 41
	AUG.	14 16 35	14 3 4
	SEPT.	13 5 19	12 16 22
	OCT.	12 18 3	12 8 39
	○	27 12 25	27 12 31
	NOV.	11 6 47	11 3 16
	DEC.	10 19 31	10 22 45
1000. G.F. 15 3 27	JAN.	9 8 16	9 17 29
	FEB.	7 21 0	8 10 2
	MAR.	8 9 44	8 23 37
	APRIL	6 22 28	7 10 14
	MAY	6 11 12	6 18 34
	JUNE	4 23 56	5 1 28
	JULY	4 12 40	4 8 8
	AUG.	3 1 24	2 15 38
	SEPT.	1 14 8	1 0 59
			30 13 3
	OCT.	1 2 52	
		30 15 36	30 4 8
	NOV.	29 4 20	28 21 55
	DEC.	28 17 4	28 17 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1001. E.		d. h. m.	d. h. m.
	JAN.	27 5 48	27 12 27
	FEB.	25 18 32	26 6 2
March. d. h. m. 15 9 15	○	12 12 54	12 9 4
	MAR.	27 7 16	27 20 51
	APRIL	25 20 0	26 8 39
	MAY	25 8 44	25 17 51
	JUNE	23 21 28	24 1 22
	JULY	23 10 12	23 8 20
	AUG.	21 22 56	21 15 50
	○	5 17 18	5 18 56
	SEPT.	20 11 40	20 0 46
	OCT.	20 0 24	19 11 55
	NOV.	18 13 8	18 1 37
	DEC.	18 1 52	17 17 49
1002. D.	JAN.	16 14 37	16 11 48
	FEB.	15 3 21	15 6 20
	○	1 21 43	2 0 32
15 15 4	MAR.	16 16 5	17 0 5
	APRIL	15 4 49	15 15 53
	MAY	14 17 33	15 5 6
	JUNE	13 6 17	13 15 49
	JULY	12 19 1	13 0 41
	AUG.	11 7 45	11 8 43
	○	26 2 7	25 19 5
	SEPT.	9 20 29	9 16 53
	OCT.	9 9 13	9 2 1
	NOV.	7 21 57	7 12 40
	DEC.	7 10 41	7 1 7
1003. C.	JAN.	5 23 25	5 15 23
	FEB.	4 12 9	4 7 12
	○	19 6 31	19 16 37
15 20 53	MAR.	6 0 53	6 0 0
	APRIL	4 13 37	4 16 55
	MAY	4 2 21	4 9 2
	JUNE	2 15 5	2 23 33
	JULY	2 3 49	2 12 8
		31 16 33	31 23 1
	○	15 10 55	14 21 56
	AUG.	30 5 17	30 8 48
	SEPT.	28 18 1	28 18 17
	OCT.	28 6 45	28 4 7
	NOV.	26 19 29	26 14 42
	DEC.	26 8 13	26 2 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1004. B.A.		d. h. m.	d. h. m.
	JAN.	24 20 58	24 14 34
March. d. h. m.	FEB.	23 9 42	23 3 56
15 2 42	MAR.	23 22 26	23 18 18
	APRIL	22 11 10	22 9 30
	MAY	21 23 54	22 1 3
	JUNE	20 12 38	20 16 22
	○	5 7 0	4 23 51
	JULY	20 1 22	20 6 46
	AUG.	18 14 6	18 19 59
	SEPT.	17 2 50	17 8 7
	OCT.	16 15 34	16 19 29
	NOV.	15 4 18	15 6 30
	DEC.	14 17 2	14 17 24
	○	29 11 24	29 14 54
1005. G.	JAN.	13 5 46	13 4 12
	FEB.	11 18 31	11 15 1
15 8 31	MAR.	13 7 15	13 2 5
	APRIL	11 19 59	11 13 51
	MAY	11 8 43	11 2 47
	JUNE	9 21 27	9 17 1
	○	24 15 49	24 17 0
	JULY	9 10 11	9 8 18
	AUG.	7 22 55	8 0 1
	SEPT.	6 11 39	6 15 32
	OCT.	6 0 23	6 6 16
	NOV.	4 13 7	4 19 56
	DEC.	4 1 51	4 8 32
	○	18 20 13	18 14 16
1006. F.	JAN.	2 14 35	2 20 3
	FEB.	1 3 19	1 6 31
15 14 20	MAR.	2 16 3	2 16 9
	APRIL	1 4 47	1 1 21
		30 17 31	30 10 51
	MAY	30 6 15	29 21 28
	○	14 0 37	14 8 59
	JUNE	28 18 59	28 9 56
	JULY	28 7 43	28 0 25
	AUG.	26 20 27	26 16 39
	SEPT.	25 9 11	25 9 51
	OCT.	24 21 55	25 2 58
	NOV.	23 10 39	23 19 3
	○	8 5 1	7 18 53
	DEC.	22 23 23	23 9 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1007.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 15 20 8	JAN.	21 12 7	21 21 57
	FEB.	20 0 51	20 8 30
	MAR.	21 18 36	21 17 26
	APRIL	20 2 20	20 1 22
	MAY	19 15 4	19 9 12
	JUNE	18 3 48	17 17 55
	JULY	17 16 32	17 4 33
	AUG.	16 5 16	15 17 46
	SEPT.	14 18 0	14 9 40
	OCT.	14 6 44	14 3 37
	NOV.	12 19 23	12 22 22
	DEC.	12 8 12	12 16 31
1008. D.C. 15 1 57	JAN.	10 20 57	11 8 49
	FEB.	9 9 41	9 22 31
	MAR.	9 22 25	10 9 33
	APRIL	8 11 9	8 18 21
	○	23 5 31	23 6 54
	MAY	7 23 53	8 1 41
	JUNE	6 12 37	6 8 33
	JULY	6 1 21	5 16 1
	AUG.	4 14 5	4 1 14
	SEPT.	3 2 49	2 13 4
	OCT.	2 15 33	2 3 59
	○	17 9 55	17 11 40
	NOV.	1 4 17	31 21 39
		30 17 1	30 16 57
	DEC.	30 5 45	30 12 20
1009. B. 15 7 46	JAN.	28 18 29	29 6 5
	FEB.	27 7 13	27 21 8
	MAR.	28 19 57	29 9 7
	○	12 14 19	12 9 6
	APRIL	27 8 41	27 18 23
	MAY	26 21 25	27 1 50
	JUNE	25 10 9	25 8 29
	JULY	24 22 58	24 15 28
	AUG.	23 11 37	22 23 51
	SEPT.	22 0 21	21 10 34
	○	6 18 43	7 0 34
	OCT.	21 13 5	21 0 14
	NOV.	20 1 49	19 16 47
	DEC.	19 14 33	19 11 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1010. A. March. *d. h. m.* 15 13 35	JAN.	18 3 18	18 6 52
	FEB.	16 16 2	17 1 20
	MAR.	18 4 46	18 17 32
	○	1 23 8	1 18 5
	APRIL	16 17 30	17 6 46
	MAY	16 6 14	16 17 9
	JUNE	14 18 58	15 1 25
	JULY	14 7 42	14 8 37
	AUG.	12 20 26	12 15 51
	SEPT.	11 9 10	11 0 7
	○	26 3 32	26 6 45
	OCT.	10 21 54	10 10 12
	NOV.	9 10 38	8 22 40
	DEC.	8 23 22	8 13 37
1011. G. 15 19 24	JAN.	7 12 7	7 6 42
	FEB.	6 0 51	6 0 55
	MAR.	7 13 35	7 19 2
	APRIL	6 2 19	6 11 48
	MAY	5 15 3	6 2 17
	JUNE	4 3 47	4 14 15
	JULY	3 16 31	4 0 3
	AUG.	2 5 15	2 8 32
		31 17 59	31 16 43
	SEPT.	30 6 43	30 1 29
	OCT.	29 19 27	29 11 28
	NOV.	28 8 11	27 23 3
	DEC.	27 20 55	27 12 19
1012. F.E. 15 1 13	JAN.	26 9 39	26 3 12
	○	10 4 1	10 15 27
	FEB.	24 22 23	24 19 19
	MAR.	25 11 7	25 12 2
	APRIL	23 23 51	24 4 30
	MAY	23 12 35	23 19 49
	JUNE	22 1 19	22 9 27
	JULY	21 14 3	21 21 19
	○	5 8 25	4 19 17
	AUG.	20 2 47	20 7 48
	SEPT.	18 15 31	18 17 36
	OCT.	18 4 15	18 3 26
	NOV.	16 16 59	16 13 45
	DEC.	16 5 43	16 0 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1013.		*d. h. m.*	*d. h. m.*
D.	JAN. .	14 18 28	14 12 36
March.	○	29 12 50	30 1 38
d. h. m.	FEB. .	13 7 12	13 1 13
15 7 1	MAR. .	14 19 56	14 14 47
	APRIL	13 8 40	13 5 19
	MAY .	12 21 24	12 20 33
	JUNE .	11 10 8	11 12 0
	JULY .	10 22 52	11 3 0
	○	25 17 14	25 7 28
	AUG. .	9 11 36	9 17 4
	SEPT. .	8 0 20	8 6 0
	OCT. .	7 13 4	7 17 59
	NOV. .	6 1 48	6 5 23
	DEC. .	5 14 32	5 16 27
1014.	JAN. .	4 3 17	4 3 17
C.	FEB. .	2 16 1	2 13 55
15 12 50	MAR. .	4 4 45	4 0 34
	APRIL	2 17 29	2 11 37
	MAY .	2 6 13	1 23 39
		31 18 57	31 13 3
	JUNE .	30 7 41	30 3 47
	○	15 2 3	15 0 9
	JULY .	29 20 25	29 19 28
	AUG. .	28 9 9	28 11 24
	SEPT. .	26 21 53	27 2 51
	OCT. .	26 10 37	26 17 22
	NOV. .	24 23 21	25 6 44
	DEC. .	24 12 5	24 18 52
1015.	JAN. .	23 0 49	23 5 49
B.	FEB. .	21 13 33	21 15 40
15 18 39	MAR. .	23 2 17	23 0 47
	APRIL	21 15 1	21 9 46
	MAY .	21 3 45	20 19 31
	○	4 22 7	5 8 7
	JUNE .	19 16 29	19 6 50
	JULY .	19 5 13	18 20 16
	AUG. .	17 17 57	17 11 46
	SEPT. .	16 6 41	16 4 47
	OCT. .	15 19 25	15 22 20
	NOV. .	14 8 9	14 15 18
	○	29 2 31	28 16 8
	DEC. .	13 20 53	14 6 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1016.		*d. h. m.*	*d. h. m.*
A.G.	JAN. .	12 9 38	12 20 20
March.	FEB. .	10 22 22	11 7 45
d. h. m.	MAR. .	11 11 6	11 17 16
15 0 28	APRIL	9 23 50	10 1 25
	MAY .	9 12 34	9 8 59
	○	24 6 56	24 16 22
	JUNE .	8 1 18	7 17 0
	JULY .	7 14 2	7 2 28
	AUG. .	6 2 46	5 14 20
	SEPT. .	4 15 30	4 4 59
	OCT. .	4 4 14	3 22 10
	NOV. .	2 16 58	2 16 52
	○	17 11 20	17 5 26
	DEC. .	2 5 42	2 11 39
		31 18 26	...
1017.	JAN. .	...	1 5 6
F.		30 7 10	30 20 10
	FEB. .	28 19 54	...
15 6 17	MAR. .	...	1 8 27
		30 8 38	30 18 8
	APRIL	28 21 22	29 1 58
	○	13 15 44	13 18 6
	MAY .	28 10 6	28 8 50
	JUNE .	26 22 50	26 15 49
	JULY .	26 11 34	26 0 1
	AUG. .	25 0 18	24 10 30
	SEPT. .	23 13 2	22 23 55
	OCT. .	23 1 46	22 16 23
	○	6 20 8	6 21 16
	NOV. .	21 14 30	21 11 8
	DEC. .	21 3 14	21 6 43
1018.	JAN. .	19 15 59	20 1 29
E.	FEB. .	18 4 43	18 17 56
15 12 6	MAR. .	19 17 27	20 6 23
	APRIL	18 6 11	18 17 51
	MAY .	17 18 55	18 2 1
	JUNE .	16 7 39	16 8 55
	JULY .	15 20 23	15 15 38
	AUG. .	14 9 7	13 23 17
	SEPT. .	12 21 51	12 8 50
	OCT. .	12 10 35	11 21 3
	NOV. .	10 23 19	10 12 15
	DEC. .	10 12 3	10 5 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1019.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 15 17 54	JAN. .	9 0 48	9 1 8
	FEB. .	7 13 32	7 20 9
	MAR. .	9 2 16	9 13 30
	○	28 20 38	28 17 0
	APRIL	7 15 0	8 4 11
	MAY .	7 8 44	7 15 54
	JUNE .	5 16 28	6 1 8
	JULY .	5 5 12	5 8 48
	AUG. .	3 17 56	3 16 0
	SEPT. .	2 6 40	1 23 48
	○	17 1 2	17 2 11
	OCT. .	1 19 24	1 9 2
		31 8 8	30 20 21
	NOV. .	29 20 52	29 10 5
	DEC. .	29 9 36	29 2 3
1020. C.B. 14 23 43	JAN. .	27 22 20	27 19 38
	FEB. .	26 11 4	26 13 45
	○	12 5 26	12 8 46
	MAR. .	26 23 48	27 7 11
	APRIL	25 12 32	25 22 48
	MAY .	25 1 16	25 12 0
	JUNE .	23 14 0	23 22 53
	JULY .	23 2 44	23 8 5
	AUG. .	21 15 28	21 16 30
	○	5 9 50	5 2 8
	SEPT. .	20 4 12	20 1 5
	OCT. .	19 16 56	19 10 35
	NOV. .	18 5 40	17 21 25
	DEC. .	17 18 24	17 9 48
1021. A. 15 5 32	JAN. .	16 7 9	15 23 46
	FEB. .	14 19 53	14 15 3
	○	1 14 15	2 0 54
	MAR. .	16 8 37	16 7 17
	APRIL	14 21 21	14 23 45
	MAY .	14 10 5	14 15 37
	JUNE .	12 22 49	13 6 11
	JULY .	12 11 33	12 19 3
	AUG. .	11 0 17	11 6 24
	○	25 18 39	25 5 12
	SEPT. .	9 13 1	9 16 42
	OCT. .	9 1 45	9 2 42
	NOV. .	7 14 29	7 12 55
	DEC. .	7 3 13	6 23 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1022.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 15 11 21	JAN. .	5 15 58	5 11 1
	FEB. .	4 4 42	3 23 0
	MAR. .	5 17 26	5 11 46
	APRIL	4 6 10	4 1 31
	MAY .	3 18 54	3 16 13
	JUNE .	2 7 38	2 7 31
	JULY ○	1 20 22	1 22 51
		16 14 44	16 7 19
		31 9 6	31 13 36
	AUG. .	29 21 50	30 3 22
	SEPT. .	28 10 34	28 16 5
	OCT. .	27 23 18	28 4 1
	NOV. .	26 12 2	26 15 24
	DEC. .	26 0 46	26 2 23
1023. F. 15 17 10	○	9 19 8	9 22 48
	JAN. .	24 13 30	24 12 59
	FEB. .	23 2 14	22 23 22
	MAR. .	24 14 58	24 9 52
	APRIL	23 3 42	22 21 4
	MAY .	22 16 26	22 9 31
	JUNE .	21 5 10	20 23 30
	○	5 23 32	6 0 28
	JULY .	20 17 54	20 14 50
	AUG. .	19 6 38	19 6 53
	SEPT. .	17 19 22	17 22 55
	OCT. .	17 8 6	17 14 14
	NOV. .	15 20 50	16 4 27
	DEC. .	15 9 34	15 17 21
	○	30 3 56	29 22 21
1024. E.D. 14 22 59	JAN. .	13 22 19	14 4 55
	FEB. .	12 11 3	12 15 10
	MAR. .	12 23 47	13 0 22
	APRIL	11 12 31	11 9 4
	MAY .	11 1 15	10 18 8
	JUNE .	9 13 59	9 4 24
	○	24 8 21	24 16 11
	JULY .	9 2 43	8 16 33
	AUG. .	7 15 27	7 7 10
	SEPT. .	6 4 11	5 23 42
	OCT. .	5 16 55	5 17 20
	NOV. .	4 5 39	4 10 57
	DEC. .	3 18 23	4 3 29
	○	18 12 45	18 3 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1025. C.		d. h. m.	d. h. m.
	JAN.	2 7 8	2 18 8
		31 19 52	...
March. d. h. m. 15 4 47	FEB.	...	1 6 35
	MAR.	2 8 36	2 16 53
		31 21 20	1 1 27
	APRIL	30 10 4	30 9 1
	MAY	29 22 48	29 16 38
	JUNE	28 11 32	28 1 3
	JULY	28 0 16	27 11 37
	AUG.	26 13 0	26 0 53
	SEPT.	25 1 44	24 17 0
	OCT.	24 14 28	24 11 15
	NOV.	23 3 12	23 6 20
	DEC.	22 15 56	23 0 44
1026. B. 15 10 36	JAN.	21 4 40	21 17 7
	FEB.	19 17 24	20 6 44
	MAR.	21 6 8	21 17 33
	APRIL	19 18 52	20 2 6
	○	4 13 14	4 13 32
	MAY	19 7 36	19 9 13
	JUNE	17 20 20	17 15 56
	JULY	17 9 4	16 23 24
	AUG.	15 21 48	15 8 40
	SEPT.	14 10 32	13 20 37
	OCT.	13 23 16	13 11 41
	○	28 17 33	28 20 17
	NOV.	12 12 0	12 5 29
	DEC.	12 0 44	12 0 54
1027. A. 15 16 25	JAN.	10 13 29	10 20 18
	FEB.	9 2 13	9 14 0
	MAR.	10 14 57	11 4 55
	APRIL	9 3 41	9 16 44
	○	23 22 8	23 16 10
	MAY	8 16 25	9 1 53
	JUNE	7 5 9	7 9 16
	JULY	6 17 53	6 15 59
	AUG.	5 6 37	4 23 6
	SEPT.	3 19 21	3 7 42
	OCT.	3 8 5	2 18 37
	○	18 2 27	18 8 45
	NOV.	1 20 49	1 8 23
	DEC.	1 9 33	1 0 55
		30 22 17	30 19 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1028. G.F.		d. h. m.	d. h. m.
March. d. h. m. 14 22 14	JAN.	29 11 1	29 14 37
	FEB.	27 23 45	28 8 50
	MAR.	28 12 30	29 0 51
	○	12 6 52	12 1 42
	APRIL	27 1 14	27 13 59
	MAY	26 13 58	27 0 23
	JUNE	25 2 42	25 8 45
	JULY	24 15 26	24 16 11
	AUG.	23 4 10	22 23 43
	SEPT.	21 16 54	21 8 18
	○	6 11 16	6 14 21
	OCT.	21 5 38	20 18 39
	NOV.	19 18 22	19 7 12
	DEC.	19 7 6	18 22 1
1029. E. 15 4 3	JAN.	17 19 50	17 14 43
	FEB.	16 8 34	16 8 31
	MAR.	17 21 18	18 2 13
	APRIL	16 10 2	16 18 42
	MAY	15 22 46	16 9 6
	JUNE	14 11 30	14 21 11
	JULY	14 0 14	14 7 17
	AUG.	12 12 58	12 16 10
	SEPT.	11 1 42	11 0 47
	OCT.	10 14 26	10 9 58
	NOV.	9 3 10	8 20 12
	DEC.	8 15 54	8 7 49
1030. D. 15 9 52	JAN.	7 4 39	6 20 53
	FEB.	5 17 23	5 11 18
	○	20 11 45	20 23 47
	MAR.	7 6 7	7 2 50
	APRIL	5 18 51	5 19 1
	MAY	5 7 35	5 11 7
	JUNE	3 20 19	4 2 22
	JULY	3 9 3	3 16 13
	AUG. ○	1 21 47	2 4 29
		16 16 9	16 2 34
		31 10 31	31 15 29
	SEPT.	29 23 15	30 1 50
	OCT.	29 11 59	29 12 7
	NOV.	28 0 43	27 22 42
	DEC.	27 13 27	27 9 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1031. C.	JAN. .	26 2 11	25 21 12
March. d. h. m. 15 15 40	○	9 20 33	10 9 41
	FEB. .	24 14 55	24 9 18
	MAR. .	26 3 39	25 22 14
	APRIL	24 16 23	24 12 11
	MAY .	24 5 7	24 3 3
	JUNE .	22 17 51	22 18 25
	JULY .	22 6 35	22 9 39
	○	6 0 57	5 15 0
	AUG. .	20 19 19	21 0 11
	SEPT. .	19 8 3	19 13 43
	OCT. .	18 20 47	19 2 18
	NOV. .	17 9 31	17 14 9
	DEC. .	16 22 15	17 1 24
1032. B.A.	JAN. .	15 11 0	15 12 10
	FEB. .	13 23 44	13 22 27
14 21 29	MAR. .	14 12 28	14 8 34
	APRIL	13 1 12	12 19 3
	MAY .	12 13 56	12 6 35
	JUNE .	11 2 40	10 19 38
	JULY .	10 15 24	10 10 18
	○	25 9 46	25 7 43
	AUG. .	9 4 8	9 2 11
	SEPT. .	7 16 52	7 18 33
	OCT. .	7 5 36	7 10 36
	NOV. .	5 18 20	6 1 41
	DEC. .	5 7 4	5 15 26
1033. G.	JAN. .	3 19 49	4 3 44
	FEB. .	2 8 33	2 14 30
15 3 18	MAR. .	3 21 17	4 0 2
	APRIL	2 10 1	2 8 42
	MAY .	1 22 45	1 17 15
		31 11 29	31 2 35
	○	15 5 51	15 15 14
	JUNE .	30 0 13	29 13 39
	JULY .	29 12 57	29 3 1
	AUG. .	28 1 41	27 18 43
	SEPT. .	26 14 25	26 12 7
	OCT. .	26 3 9	26 6 8
	NOV. .	24 15 53	24 23 32
	○	9 10 15	9 0 47
	DEC. .	24 4 37	24 15 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1034. F.	JAN. .	22 17 21	23 4 55
March. d. h. m. 15 9 7	FEB. .	21 6 5	21 16 9
	MAR. .	22 18 49	23 1 22
	APRIL	21 7 33	21 9 10
	MAY .	20 20 17	20 16 26
	○	4 14 39	4 23 12
	JUNE .	19 9 1	19 0 13
	JULY .	18 21 45	18 9 35
	AUG. .	17 10 29	16 21 28
	SEPT. .	15 23 13	15 12 16
	OCT. .	15 11 57	15 5 41
	NOV. .	14 0 41	14 0 42
	○	28 19 3	28 14 20
	DEC. .	13 13 25	13 19 46
1035. E.	JAN. .	12 2 10	12 13 21
	FEB. .	10 14 54	11 4 23
15 14 56	MAR. .	12 3 38	12 16 29
	APRIL	10 16 22	11 1 57
	MAY .	10 5 6	10 9 34
	○	24 23 28	25 0 36
	JUNE .	8 17 50	8 16 17
	JULY .	8 6 34	7 23 14
	AUG. .	6 19 18	6 7 28
	SEPT. .	5 8 2	4 18 5
	OCT. .	4 20 46	4 7 39
	NOV. .	3 9 30	3 0 15
	○	18 3 52	18 6 9
	DEC. .	2 22 14	2 19 4
1036. D.C.	JAN. .	1 10 58	1 14 41
		30 23 42	31 9 22
14 20 45	FEB. .	29 12 27	...
	MAR. .	...	1 1 42
		30 1 11	30 15 0
	APRIL	28 13 55	29 1 20
	MAY .	28 2 39	28 9 26
	JUNE .	26 15 23	26 16 22
	JULY .	26 4 7	25 23 13
	AUG. .	24 16 51	24 7 4
	SEPT. .	23 5 35	22 16 51
	OCT. .	22 18 19	22 5 14
	NOV. .	21 7 3	20 20 28
	DEC. .	20 19 47	20 14 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1037. B. March. d. h. m. 15 2 33	JAN.	19 8 31	19 8 58
	FEB.	17 21 15	18 3 42
	MAR.	19 9 59	19 20 49
	○	3 4 21	3 0 49
	APRIL	17 22 43	18 11 20
	MAY	17 11 27	17 23 2
	JUNE	16 0 11	16 8 22
	JULY	15 12 55	15 16 15
	AUG.	14 1 39	13 23 45
	SEPT.	12 14 23	12 7 53
	○	27 8 45	27 9 32
	OCT.	12 3 7	11 17 26
	NOV.	10 15 51	10 4 56
	DEC.	10 4 35	9 18 36
1038. A. 15 8 22	JAN.	8 17 20	8 10 17
	FEB.	7 6 4	7 3 26
	MAR.	8 18 48	8 21 4
	○	23 13 10	23 16 53
	APRIL	7 7 32	7 14 7
	MAY	6 20 16	7 5 34
	JUNE	5 9 0	5 18 51
	JULY	4 21 44	5 5 59
	AUG.	3 10 28	3 15 33
	SEPT.	1 23 12	2 0 25
	○	16 17 34	16 9 19
	OCT.	1 11 56	1 9 28
		31 0 40	30 19 18
	NOV.	29 13 24	29 6 17
	DEC.	29 2 8	28 18 31
1039. G. 15 14 11	JAN.	27 14 53	27 8 4
	FEB.	26 3 37	25 22 48
	○	12 21 59	13 9 4
	MAR.	27 16 21	27 14 26
	APRIL	26 5 5	26 6 28
	MAY	25 17 49	25 22 9
	JUNE	24 6 33	24 12 48
	JULY	23 19 17	24 2 2
	AUG.	22 8 1	22 13 52
	○	6 2 23	5 12 37
	SEPT.	20 20 45	21 0 45
	OCT.	20 9 29	20 11 15
	NOV.	18 22 13	18 21 48
	DEC.	18 10 57	18 8 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1040. F.E. March. d. h. m. 14 20 0	JAN.	16 23 41	16 19 45
	FEB.	15 12 25	15 7 18
	MAR.	16 1 9	15 19 29
	APRIL	14 13 53	14 8 33
	MAY	14 2 37	13 22 51
	JUNE	12 15 21	12 13 56
	JULY	12 4 5	12 5 23
	AUG.	10 16 49	10 20 30
	SEPT.	9 5 33	9 10 50
	OCT.	8 18 17	9 0 11
	NOV.	7 7 1	7 12 33
	DEC.	6 19 45	7 0 19
1041. D.	JAN.	5 8 30	5 11 19
	○	20 2 52	20 6 39
	FEB.	3 21 14	3 21 40
15 1 49	MAR.	5 9 58	5 7 36
	APRIL	3 22 42	3 17 34
	MAY	3 11 26	3 4 14
	JUNE	2 0 10	1 16 16
	JULY ○	1 12 54	1 6 3
		16 7 16	16 7 59
		31 1 38	30 21 28
	AUG.	29 14 22	29 13 51
	SEPT.	28 3 6	28 6 25
	OCT.	27 15 50	27 22 21
	NOV.	26 4 34	26 13 2
	DEC.	25 17 18	26 2 10
	○	9 11 41	9 6 27
1042. C.	JAN.	24 6 3	24 13 41
	FEB.	22 18 47	22 23 39
15 7 33	MAR.	24 7 31	24 8 28
	APRIL	22 20 15	22 16 44
	MAY	22 8 59	22 1 22
	JUNE	20 21 43	20 11 20
	○	5 16 5	5 23 17
	JULY	20 10 27	19 23 28
	AUG.	18 23 11	18 14 4
	SEPT.	17 11 55	17 6 52
	OCT.	17 0 39	17 0 55
	NOV.	15 13 23	15 19 0
	DEC.	15 2 7	15 11 53
	○	29 20 29	29 12 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1043.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 15 13 36	JAN. .	13 14 51	14 2 41
	FEB. .	12 8 35	12 15 1
	MAR. .	13 16 19	14 1 4
	APRIL	12 5 3	12 9 19
	MAY .	11 17 47	11 16 35
	JUNE .	10 6 31	9 23 51
	JULY .	9 19 15	9 8 14
	AUG. .	8 7 59	7 18 46
	SEPT. .	6 20 43	6 8 9
	OCT. .	6 9 27	6 0 28
	NOV. .	4 22 11	4 18 58
	DEC. .	4 10 55	4 14 19
1044. A.G. 14 19 15	JAN. .	2 23 40	3 8 55
	FEB. .	1 12 24	2 1 19
	MAR. .	2 1 8 31 13 52	2 14 48 1 1 26
	APRIL	30 2 36	30 9 45
	○	14 20 58	14 20 6
	MAY .	29 15 20	29 16 43
	JUNE .	28 4 4	27 23 24
	JULY .	27 16 48	27 6 52
	AUG. .	26 5 32	25 16 15
	SEPT. .	24 18 16	24 4 22
	OCT. .	24 7 0	23 19 35
	○	8 1 22	8 5 0
	NOV. .	22 19 44	22 13 27
	DEC. .	22 8 28	22 8 52
1045. F. 15 1 4	JAN. .	20 21 12	21 4 11
	FEB. .	19 9 56	19 21 45
	MAR. .	20 22 40	21 12 31
	APRIL	19 11 24	20 0 12
	○	4 5 46	3 23 8
	MAY .	19 0 8	19 9 16
	JUNE .	17 12 52	17 16 40
	JULY .	17 1 36	16 23 28
	AUG. .	15 14 20	15 6 49
	SEPT. .	14 3 4	13 15 40
	OCT. .	13 15 48	13 2 48
	○	28 10 10	28 17 1
	NOV. .	12 4 32	11 16 39
	DEC. .	11 17 16	11 9 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1046.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 15 6 58	JAN. .	10 6 1	10 3 26
	FEB. .	8 18 45	8 22 16
	MAR. .	10 7 29	10 16 11
	APRIL	8 20 13	9 7 59
	○	23 14 35	23 9 12
	MAY .	8 8 57	8 21 3
	JUNE .	6 21 41	7 7 31
	JULY .	6 10 25	6 16 5
	AUG. .	4 23 9	4 23 49
	SEPT. .	3 11 53	3 7 42
	OCT. .	3 0 37	2 16 33
	○	17 18 59	17 22 3
	NOV. .	1 13 21	1 3 14
	DEC. .	1 2 5 30 14 49	30 15 48 30 6 25
1047. D. 15 12 42	JAN. .	29 3 34	28 22 43
	FEB. .	27 16 18	27 15 59
	MAR. .	29 5 2	29 9 15
	APRIL	27 17 46	28 1 28
	MAY .	27 6 30	27 15 52
	JUNE .	25 19 14	26 4 8
	JULY .	25 7 58	25 14 34
	AUG. .	23 20 42	23 23 54
	SEPT. .	22 9 26	22 9 0
	OCT. .	21 22 10	21 18 35
	NOV. .	20 10 54	20 5 4
	DEC. .	19 23 38	19 16 39
1048. C.B. 14 18 31	JAN. .	18 12 22	18 5 23
	FEB. .	17 1 6	16 19 17
	○	2 19 28	3 7 58
	MAR. .	17 13 50	17 10 12
	APRIL	16 2 34	16 1 50
	MAY .	15 15 18	15 17 39
	JUNE .	14 4 2	14 8 53
	JULY .	13 16 46	13 22 58
	AUG. .	12 5 30	12 11 43
	○	26 23 52	26 10 0
	SEPT. .	10 18 14	10 23 15
	OCT. .	10 6 58	10 10 11
	NOV. .	8 19 42	8 20 54
	DEC. .	8 8 26	8 7 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1049.		*d. h. m.*	*d. h. m.*
A.	JAN.	6 21 11	6 18 36
March.	FEB.	5 9 55	5 5 44
d. h. m.	○	20 4 17	20 17 35
15 0 19	MAR.	6 22 39	6 17 16
	APRIL	5 11 23	5 5 35
	MAY	5 0 7	4 19 1
	JUNE	3 12 51	3 9 34
	JULY	3 1 35	3 0 54
	AUG. ○	1 14 19	1 16 24
		16 8 41	15 22 42
		31 3 3	31 7 25
	SEPT.	29 15 47	29 21 34
	OCT.	29 4 31	29 10 44
	NOV.	27 17 15	27 22 58
	DEC.	27 5 59	27 10 21
1050.	JAN.	25 18 44	25 20 57
G.	FEB.	24 7 28	24 6 52
15 6 8	MAR.	25 20 12	25 16 29
	APRIL	24 8 56	24 2 26
	MAY	23 21 40	23 13 29
	JUNE	22 10 24	22 2 15
	JULY	21 23 8	21 16 53
	○	5 17 30	5 15 24
	AUG.	20 11 52	20 9 0
	SEPT.	19 0 36	19 1 50
	OCT.	18 13 20	18 18 27
	NOV.	17 2 4	17 10 4
	DEC.	16 14 48	17 0 9
1051.	JAN.	15 3 32	15 12 30
F.	FEB.	13 16 16	13 23 6
15 11 57	MAR.	15 5 0	15 8 15
	APRIL	13 17 44	13 16 29
	MAY	13 6 28	13 0 38
	JUNE	11 19 12	11 9 38
	○	26 13 34	26 22 19
	JULY	11 7 56	10 20 32
	AUG.	9 20 40	9 9 53
	SEPT.	8 9 24	8 1 46
	OCT.	7 22 8	7 19 31
	NOV.	6 10 52	6 13 58
	DEC.	5 23 36	6 7 47
	○	20 17 58	20 9 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1052.		*d. h. m.*	*d. h. m.*
E.D.	JAN.	4 12 21	4 23 49
March.	FEB.	3 1 5	3 13 24
d. h. m.	MAR.	3 13 49	4 0 25
14 17 46	APRIL	2 2 33	2 9 20
	MAY	1 15 17	1 16 50
		31 4 1	30 23 53
	○	14 22 23	15 5 41
	JUNE	29 16 45	29 7 23
	JULY	29 5 29	28 16 48
	AUG.	27 18 13	27 4 45
	SEPT.	26 6 57	25 19 43
	OCT.	25 19 41	25 13 23
	NOV.	24 8 25	24 8 36
	○	9 2 47	8 23 16
	DEC.	23 21 9	24 3 52
1053.	JAN.	22 9 53	22 21 29
C.	FEB.	20 22 37	21 12 26
14 23 35	MAR.	22 11 22	23 0 23
	APRIL	21 0 6	21 9 39
	MAY	20 12 50	20 17 5
	○	4 7 12	4 7 4
	JUNE	19 1 34	18 23 43
	JULY	18 14 18	18 6 41
	AUG.	17 3 2	16 15 4
	SEPT.	15 15 46	15 1 49
	OCT.	15 4 30	14 15 33
	NOV.	13 17 14	13 8 14
	○	28 11 36	28 15 1
	DEC.	13 5 58	13 3 5
1054.	JAN.	11 18 42	11 22 36
B.	FEB.	10 7 26	10 17 8
15 5 24	MAR.	11 20 10	12 9 18
	APRIL	10 8 54	10 22 27
	MAY	9 21 38	10 8 41
	JUNE	8 10 22	8 16 48
	JULY	7 23 6	7 23 50
	AUG.	6 11 50	6 6 53
	SEPT.	5 0 34	4 15 0
	OCT.	4 13 18	4 1 2
	NOV.	3 2 2	2 13 33
	DEC.	2 14 46	2 4 44
		...	31 22 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1055. A.		*d. h. m.*	*d. h. m.*
	JAN.	1 8 30 30 16 14	...
March. *d. h. m.* 15 11 12	FEB.	...	...
	MAR.	1 4 59 30 17 43	1 11 7 31 3 58
	○ APRIL	14 12 5 29 6 27	14 8 32 29 18 22
	MAY	28 19 11	29 6 6
	JUNE	27 7 55	27 15 35
	JULY	26 20 39	26 23 46
	AUG.	25 9 23	25 7 38
	SEPT.	23 22 7	23 16 9
	○ OCT.	8 16 29 28 10 51	8 17 2 28 2 0
	NOV.	21 23 35	21 18 36
	DEC.	21 12 19	21 3 9
1056. G.F.	JAN.	20 1 4	19 18 29
	FEB.	18 18 48	18 11 6
14 17 1	MAR.	19 2 32	19 4 15
	○ APRIL	2 20 54 17 15 16	3 0 53 17 20 56
	MAY	17 4 0	17 12 15
	JUNE	15 16 44	16 1 39
	JULY	15 5 28	15 13 6
	AUG.	13 18 12	13 23 7
	SEPT. ○	12 6 56 27 1 18	12 8 28 26 16 41
	OCT.	11 19 40	11 17 58
	NOV.	10 8 24	10 4 7
	DEC.	9 21 8	9 15 10
1057. E.	JAN.	8 9 52	8 3 13
	FEB.	6 22 36	6 16 17
14 22 50	MAR. ○	8 11 20 28 5 42	8 6 25 28 17 2
	APRIL	7 0 4	6 21 29
	MAY	6 12 48	6 13 4
	JUNE	5 1 32	5 4 37
	JULY	4 14 16	4 19 25
	AUG.	3 3 0	3 9 2
	SEPT. ○	1 15 44 16 10 6	1 21 25 15 20 12
	OCT.	1 4 28 30 17 12	1 8 54 30 19 53
	NOV.	29 5 56	29 6 44
	DEC.	28 18 40	28 17 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1058. D.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 15 4 39	JAN.	27 7 25	27 4 28
	FEB.	25 20 9	25 15 31
	MAR.	27 8 53	27 3 7
	APRIL	25 21 37	25 15 40
	MAY	25 10 21	25 5 28
	JUNE	23 23 5	23 20 23
	JULY	23 11 49	23 11 58
	AUG.	22 0 33	22 3 30
	SEPT.	20 13 17	20 18 25
	OCT.	20 2 1	20 8 23
	NOV.	18 14 45	18 21 19
	DEC.	18 3 29	18 9 14
1059. C.	JAN. ○	16 16 13 31 10 35	16 20 10 31 14 22
	FEB.	15 4 57	15 6 15
15 10 28	MAR.	16 17 41	16 15 42
	APRIL	15 6 25	15 1 9
	MAY	14 19 9	14 11 18
	JUNE	13 7 58	12 23 0
	JULY ○	12 20 37 27 14 59	12 12 38 27 15 33
	AUG.	11 9 21	11 4 10
	SEPT.	9 22 5	9 20 56
	OCT.	9 10 49	9 14 2
	NOV.	7 23 33	8 6 30
	DEC.	7 12 17	7 21 37
1060. B.A.	JAN. ○	6 1 2 20 19 24	6 10 56 20 14 29
	FEB.	4 13 46	4 22 20
14 16 17	MAR.	5 2 30	5 7 59
	APRIL	3 15 14	3 16 24
	MAY	3 3 58	3 0 17
	JUNE	1 16 42	1 8 33 30 18 18
	JULY ○	1 5 26 15 23 48 30 18 10	16 6 41 30 6 21
	AUG.	29 6 54	28 21 4
	SEPT.	27 19 38	27 14 9
	OCT.	27 8 22	27 8 37
	NOV.	25 21 6	26 3 6
	DEC.	25 9 50	25 20 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1061. G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 14 22 5	○	9 4 13	8 20 34
	JAN. .	23 22 35	24 11 9
	FEB. .	22 11 19	22 23 21
	MAR. .	24 0 3	24 9 8
	APRIL	22 12 47	22 17 5
	MAY .	22 1 31	22 0 4
	JUNE .	20 14 15	20 7 11
	JULY .	20 2 59	19 15 30
	AUG. .	18 15 43	18 2 6
	SEPT. .	17 4 27	16 15 36
	OCT. .	16 17 11	16 8 5
	NOV. .	15 5 55	15 2 49
	DEC. .	14 18 39	14 22 21
1062. F. 15 8 54	JAN. .	13 7 23	13 16 59
	FEB. .	11 20 7	12 9 21
	MAR. .	13 8 51	13 22 42
	APRIL	11 21 35	12 9 7
	MAY .	11 10 19	11 17 16
	○	26 4 41	26 2 36
	JUNE .	9 23 3	10 0 9
	JULY .	9 11 47	9 6 50
	AUG. .	8 0 31	7 14 26
	SEPT. .	6 13 15	5 23 59
	OCT. .	6 1 59	5 12 15
	NOV. .	4 14 43	4 3 34
	○	19 9 5	19 13 48
	DEC. .	4 3 27	3 21 29
1063. E. 15 9 43	JAN. .	2 16 12	2 16 50
	FEB. .	1 4 56	1 11 58
	MAR. .	2 17 40	3 5 20
	APRIL	1 6 24	1 19 57
		30 19 8	1 7 33
	○	15 13 30	15 6 4
	MAY .	30 7 52	30 16 36
	JUNE .	28 20 36	29 0 5
	JULY .	28 9 20	28 7 6
	AUG. .	26 22 4	26 14 42
	SEPT. .	25 10 48	24 23 50
	OCT. .	24 23 32	24 11 10
	○	8 17 54	9 1 22
	NOV. .	23 12 16	23 1 2
	DEC. .	23 1 0	22 17 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1064. D.C. March. *d. h. m.* 14 15 31		*d. h. m.*	*d. h. m.*
	JAN. .	21 13 45	21 11 19
	FEB. .	20 2 29	20 5 47
	MAR. .	20 15 13	20 23 22
	APRIL	19 3 57	19 14 59
	○	3 22 19	3 16 38
	MAY .	18 16 41	19 4 3
	JUNE .	17 5 25	17 14 38
	JULY .	16 18 9	16 23 28
	AUG. .	15 6 53	15 7 34
	SEPT. .	13 19 37	13 15 51
	OCT. .	13 8 21	13 1 8
	○	28 2 43	28 5 52
	NOV. .	11 21 5	11 11 55
	DEC. .	11 9 49	11 0 28
1065. B. 14 21 20	JAN. .	9 22 33	9 14 45
	FEB. .	8 11 17	8 6 36
	MAR. .	10 0 1	9 23 19
	APRIL	8 12 45	8 16 8
	MAY .	8 1 29	8 8 8
	JUNE .	6 14 13	6 22 32
	JULY .	6 2 57	6 11 2
	AUG. .	4 15 41	4 21 54
	SEPT. .	3 4 25	3 7 45
	OCT. .	2 17 9	2 17 21
	NOV. .	1 5 53	1 3 17
		30 18 37	30 13 57
	DEC. .	30 7 21	30 1 28
1066. A. 15 3 9	JAN. .	28 20 6	28 13 51
	FEB. .	27 8 50	27 3 10
	○	14 3 12	14 16 1
	MAR. .	28 21 34	28 17 28
	APRIL	27 10 18	27 8 38
	MAY .	26 23 2	27 0 8
	JUNE .	25 11 46	25 15 23
	JULY .	25 0 30	25 5 48
	AUG. .	23 13 14	23 19 3
	○	7 7 36	6 17 37
	SEPT. .	22 1 58	22 7 14
	OCT. .	21 14 42	21 18 40
	NOV. .	20 3 26	20 5 44
	DEC. .	19 16 10	19 16 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1067. G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 15 8 58	JAN. .	18 4 55	18 3 26
	FEB. .	16 17 39	16 14 10
	○	8 12 1	4 1 20
	MAR. .	18 6 23	18 1 8
	APRIL	16 19 7	16 12 52
	MAY .	16 7 51	16 1 48
	JUNE .	14 20 35	14 16 3
	JULY .	14 9 19	14 7 24
	AUG. .	12 22 3	12 23 11
	○	27 16 25	27 6 31
	SEPT. .	11 10 47	11 14 45
	OCT. .	10 23 31	11 5 32
	NOV. .	9 12 15	9 19 15
	DEC. .	9 0 59	9 7 49
1068. F.E.	JAN. .	7 13 43	7 19 16
	FEB. .	6 2 27	6 5 39
	○	20 20 49	21 3 25
14 14 47	MAR. .	6 15 11	6 15 10
	APRIL	5 3 55	5 0 16
	MAY .	4 16 39	4 9 43
	JUNE .	3 5 23	2 20 22
	JULY .	2 18 7	2 8 55
	AUG. ○	1 6 51	31 23 32
		16 1 13	15 23 10
		30 19 35	30 15 56
	SEPT. .	29 8 19	29 9 14
	OCT. .	28 21 3	29 2 23
	NOV. .	27 9 47	27 18 29
	DEC. .	26 22 31	27 8 50
1069. D.	JAN. .	25 11 16	25 21 12
	FEB. .	24 0 0	24 7 34
14 20 36	MAR. .	25 12 44	25 16 21
	APRIL	24 1 28	24 0 11
	MAY .	23 14 12	23 7 58
	JUNE .	22 2 56	21 16 44
	JULY .	21 15 40	21 3 29
	AUG. .	20 4 24	19 16 54
	SEPT. .	18 17 8	18 9 0
	OCT. .	18 5 52	18 3 6
	NOV. .	16 18 36	16 21 56
	DEC. .	16 7 20	16 16 3
	○	31 1 42	30 18 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1070. C.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 15 2 24	JAN. .	14 20 5	15 8 13
	FEB. .	13 8 49	13 21 44
	MAR. .	14 21 33	15 8 34
	APRIL	13 10 17	13 17 10
	MAY .	12 23 1	13 0 24
	JUNE .	11 11 45	11 7 15
	○	26 6 7	26 12 18
	JULY .	11 0 29	10 14 49
	AUG. .	9 13 13	9 0 9
	SEPT. .	8 1 57	7 12 11
	OCT. .	7 14 41	7 3 21
	NOV. .	6 3 25	5 21 11
	DEC. .	5 16 9	5 16 35
	○	20 10 31	20 8 15
1071. B.	JAN. .	4 4 58	4 11 54
	FEB. .	2 17 37	3 5 30
15 8 13	MAR. .	4 6 21	4 20 20
	APRIL	2 19 5	3 8 6
	MAY .	2 7 49	2 17 11
		31 20 33	1 0 31
	○	15 14 55	15 13 29
	JUNE .	30 9 17	30 7 10
	JULY .	29 22 1	29 14 14
	AUG. .	28 10 45	27 22 47
	SEPT. .	26 23 29	26 9 43
	OCT. .	26 12 13	25 23 35
	NOV. .	25 0 57	24 16 18
	○	9 19 19	9 23 56
	DEC. .	24 13 41	24 11 4
1072. A.G.	JAN. .	23 2 26	23 6 25
	FEB. .	21 15 10	22 0 44
14 14 2	MAR. .	22 3 54	22 16 43
	APRIL	20 16 33	21 5 45
	MAY .	20 5 22	20 15 58
	JUNE .	18 18 6	19 0 9
	JULY .	18 6 50	18 7 21
	AUG. .	16 19 34	16 14 41
	SEPT. .	15 8 18	14 23 6
	OCT. .	14 21 2	14 9 22
	NOV. .	13 9 46	12 22 1
	DEC. .	12 22 30	12 13 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1073.		d. h. m.	d. h. m.
F. March. d. h. m. 14 19 51	JAN. .	11 11 14	11 6 12
	FEB. .	9 23 58	10 0 23
	MAR. .	11 12 42	11 18 22
	APRIL	10 1 26	10 10 58
	○	24 19 48	24 16 8
	MAY .	9 14 10	10 1 17
	JUNE .	8 2 54	8 13 6
	JULY .	7 15 38	7 22 50
	AUG. .	6 4 22	6 7 21
	SEPT. .	4 17 6	4 15 37
	OCT. .	4 5 50	4 0 31
	○	19 0 12	19 0 39
	NOV. .	2 18 34	2 10 39
	DEC. .	2 7 18	1 22 20
		31 20 2	31 11 41
1074. E. 15 1 40	JAN. .	30 8 46	30 2 34
	FEB. .	28 21 31	28 18 39
	MAR. .	30 10 15	30 11 17
	○	14 4 37	14 8 48
	APRIL	28 22 59	29 3 38
	MAY .	28 11 43	28 18 51
	JUNE .	27 0 27	27 8 25
	JULY .	26 13 11	26 20 14
	AUG. .	25 1 55	25 6 45
	SEPT. .	23 14 39	23 16 38
	○	8 9 1	8 0 11
	OCT. .	23 3 23	23 2 33
	NOV. .	21 16 7	21 12 59
	DEC. .	21 4 51	21 0 4
1075. D. 15 7 29	JAN. .	19 17 35	19 11 51
	FEB. .	18 6 19	18 0 25
	MAR. .	19 19 4	19 13 57
	○	3 13 26	4 0 53
	APRIL	18 7 48	18 4 26
	MAY .	17 20 32	17 19 38
	JUNE .	16 9 16	16 11 4
	JULY .	15 22 0	16 2 4
	AUG. .	14 10 44	14 16 7
	SEPT. .	12 23 28	13 5 6
	○	27 17 50	27 3 59
	OCT. .	12 12 12	12 17 10
	NOV. .	11 0 56	11 4 37
	DEC. .	10 13 40	10 15 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1076.		d. h. m.	d. h. m.
C.B. March. d. h. m. 14 18 17	JAN. .	9 2 24	9 2 30
	FEB. .	7 15 8	7 13 4
	MAR. .	8 3 52	7 23 36
	APRIL	6 16 36	6 10 36
	MAY .	6 5 20	5 22 37
	JUNE .	4 18 4	4 12 2
	JULY .	4 6 48	4 2 51
	AUG. .	2 19 32	2 18 36
	SEPT. .	1 8 16	1 10 36
		30 21 0	1 2 7
	OCT. .	30 9 44	30 16 40
	NOV. .	28 22 28	29 6 2
	DEC. .	28 11 12	28 18 7
1077. A. 14 19 6	JAN. .	26 23 57	27 4 58
	○	10 18 19	10 22 0
	FEB. .	25 12 41	25 14 43
	MAR. .	27 1 25	26 23 42
	APRIL	25 14 9	25 8 38
	MAY .	25 2 53	24 18 23
	JUNE .	23 15 37	23 5 47
	JULY .	23 4 21	22 19 20
	○	6 22 43	6 23 13
	AUG. .	21 17 5	21 10 59
	SEPT. .	20 5 49	20 4 10
	OCT. .	19 18 33	19 21 47
	NOV. .	18 7 17	18 14 46
	DEC. .	17 20 1	18 6 12
1078. G. 15 0 55	JAN. .	16 8 46	16 19 37
	○	31 3 8	30 22 26
	FEB. .	14 21 30	15 6 51
	MAR. .	16 10 14	16 16 12
	APRIL	14 22 58	15 0 14
	MAY .	14 11 42	14 7 45
	JUNE .	13 0 26	12 15 46
	JULY .	12 13 10	12 1 21
	○	27 7 32	27 14 0
	AUG. .	11 1 54	10 13 23
	SEPT. .	9 14 38	9 4 15
	OCT. .	9 8 22	8 21 36
	NOV. .	7 16 6	7 16 25
	DEC. .	7 4 50	7 11 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1079. F.		d. h. m.	d. h. m.
	JAN.	5 17 34	6 4 34
	○	20 11 56	20 5 8
March. d. h. m. 15 6 44	FEB.	4 6 18	4 19 27
	MAR.	5 19 2	6 7 31
	APRIL	4 7 46	4 17 1
	MAY	3 20 30	4 0 42
	JUNE	2 9 14	2 7 32
	JULY	1 21 58	1 14 32
		31 10 42	30 22 52
	AUG.	29 23 26	29 9 32
	SEPT.	28 12 10	27 23 12
	OCT.	28 0 54	27 15 52
	NOV.	26 13 38	26 10 44
	DEC.	26 2 22	26 6 20
1080. E.D.	JAN.	24 15 7	25 0 58
	FEB.	23 3 51	23 17 14
14 12 33	MAR.	23 16 35	24 6 26
	APRIL	22 5 19	22 16 43
	MAY	21 18 3	22 0 45
	○	5 12 25	5 9 6
	JUNE	20 6 47	20 7 36
	JULY	19 19 31	19 14 22
	AUG.	18 8 15	17 22 9
	SEPT.	16 20 59	16 7 54
	OCT.	16 9 43	15 20 20
	NOV.	14 22 27	14 11 43
	○	29 16 49	29 22 37
	DEC.	14 11 11	14 5 33
1081. C.	JAN.	12 23 56	13 0 43
	FEB.	11 12 40	11 19 37
14 18 22	MAR.	13 1 24	13 12 47
	APRIL	11 14 8	12 3 14
	MAY	11 2 52	11 14 47
	○	25 21 14	25 12 57
	JUNE	9 15 36	9 23 54
	JULY	9 4 20	9 7 32
	AUG.	7 17 4	7 14 48
	SEPT.	6 5 48	5 22 42
	OCT.	5 18 32	5 8 8
	NOV.	4 7 16	3 19 38
	○	19 1 38	19 9 46
	DEC.	3 20 0	3 9 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1082. B.		d. h. m.	d. h. m.
	JAN.	2 8 44	2 1 33
		31 21 28	31 19 8
March. d. h. m. 15 0 10	FEB.	...	...
	MAR.	2 10 12	2 13 9
		31 22 56	1 6 25
	APRIL	30 11 40	30 21 51
	○	15 6 2	15 0 0
	MAY	30 0 24	30 10 55
	JUNE	28 13 8	28 21 43
	JULY	28 1 52	28 6 55
	AUG.	26 14 36	26 15 24
	SEPT.	25 3 20	25 0 6
	OCT.	24 16 4	24 9 44
	○	8 10 26	8 13 45
	NOV.	23 4 48	22 20 41
	DEC.	22 17 32	22 9 9
1083. A.	JAN.	21 6 17	20 23 8
	FEB.	19 19 1	19 14 23
15 5 59	MAR.	21 7 45	21 6 33
	APRIL	19 20 29	19 22 56
	MAY	19 9 13	19 14 42
	JUNE	17 21 57	18 5 11
	JULY	17 10 41	17 18 0
	AUG.	15 23 25	16 5 20
	SEPT.	14 12 9	14 15 43
	OCT.	14 0 53	14 1 48
	NOV.	12 13 37	12 12 8
	DEC.	12 2 21	11 22 55
1084. G.F.	JAN.	10 15 6	10 10 16
	FEB.	9 3 50	8 22 13
14 11 48	MAR.	9 16 34	9 10 57
	○	24 10 56	24 23 52
	APRIL	8 5 18	8 0 38
	MAY	7 18 2	7 15 18
	JUNE	6 6 46	6 6 35
	JULY	5 19 30	5 21 54
	AUG.	4 8 14	4 12 40
	SEPT.	2 20 58	3 2 28
	○	17 15 20	17 1 23
	OCT.	2 9 42	2 15 16
		31 22 26	1 3 15
	NOV.	30 11 10	30 14 39
	DEC.	29 23 54	30 1 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1085.		d. h. m.	d. h. m.
E.	JAN.	28 12 38	28 12 9
	FEB.	27 1 22	26 22 26
March.	○	13 19 44	14 8 54
d. h. m.	MAR.	28 14 6	28 8 52
14 17 37	APRIL	27 2 50	26 20 2
	MAY	26 15 34	26 8 30
	JUNE	25 4 18	24 22 32
	JULY	24 17 2	24 13 57
	AUG.	23 5 46	23 6 6
	○	7 0 8	6 14 28
	SEPT.	21 18 30	21 22 11
	OCT.	21 7 14	21 13 34
	NOV.	19 19 58	20 3 48
	DEC.	19 8 42	19 16 39
1086.	JAN.	17 21 26	18 4 6
D.	FEB.	16 10 11	16 14 14
	○	8 4 38	8 10 50
14 23 26	MAR.	17 22 55	17 23 19
	APRIL	16 11 39	16 7 58
	MAY	16 0 23	15 16 58
	JUNE	14 13 7	14 3 16
	JULY	14 1 51	13 15 38
	AUG.	12 14 35	12 6 20
	○	27 8 57	27 7 4
	SEPT.	11 3 19	10 23 0
	OCT.	10 16 3	10 16 45
	NOV.	9 4 47	9 10 26
	DEC.	8 17 31	9 2 56
1087.	JAN.	7 6 15	7 17 29
C.	FEB.	5 18 59	6 5 45
15 5 15	MAR.	7 7 43	7 15 51
	APRIL	5 20 27	6 0 17
	MAY	5 9 11	5 7 47
	JUNE	3 21 55	3 15 16
	JULY	3 10 39	2 23 52
	AUG.	1 23 23	1 10 33
		31 12 7	31 0 8
	SEPT.	30 0 51	29 16 21
	OCT.	29 13 35	29 10 46
	NOV.	28 2 19	28 5 54
	DEC.	27 15 3	28 0 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1088.		d. h. m.	d. h. m.
B.A.	○	11 9 26	11 2 52
	JAN.	26 8 48	26 16 30
March.	FEB.	24 16 32	25 5 54
d. h. m.	MAR.	25 5 16	25 16 31
14 11 3	APRIL	23 18 0	24 0 53
	MAY	23 6 44	23 7 55
	JUNE	21 19 28	21 14 39
	○	6 13 50	6 18 56
	JULY	21 8 12	20 22 11
	AUG.	19 20 56	19 7 36
	SEPT.	18 9 40	17 19 48
	OCT.	17 22 24	17 11 5
	NOV.	16 11 8	16 5 3
	DEC.	15 23 52	16 0 31
	○	30 18 14	30 17 11
1089.	JAN.	14 12 36	14 19 50
G.	FEB.	13 1 21	13 13 23
14 16 52	MAR.	14 14 5	15 4 5
	APRIL	13 2 49	13 15 41
	MAY	12 15 33	13 0 41
	JUNE	11 4 17	11 7 59
	○	25 22 39	25 19 55
	JULY	10 17 1	10 14 42
	AUG.	9 5 45	8 21 54
	SEPT.	7 18 29	7 6 40
	OCT.	7 7 13	6 17 48
	NOV.	5 19 57	5 7 47
	DEC.	5 8 41	5 0 27
	○	20 3 3	20 8 51
1090.	JAN.	3 21 25	3 19 3
F.	FEB.	2 10 9	2 14 9
14 22 41	MAR.	3 22 53	4 8 12
	APRIL	2 11 37	2 23 59
	MAY	2 0 21	2 12 55
		31 13 5	31 23 10
	JUNE	30 1 49	30 7 29
	JULY	29 14 33	29 14 56
	AUG.	28 3 17	27 22 34
	SEPT.	26 16 1	26 7 19
	OCT.	26 4 45	25 17 50
	NOV.	24 17 29	24 6 33
	DEC.	24 6 13	23 21 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1091. E. March. d. h. m. 15 4 30	JAN.	22 18 58	22 14 12
	FEB.	21 7 42	21 7 57
	MAR.	22 20 26	23 1 30
	APRIL	21 9 10	21 17 50
	○	6 3 32	5 23 39
	MAY	20 21 54	21 8 5
	JUNE	19 10 38	19 20 4
	JULY	18 23 22	19 6 7
	AUG.	17 12 6	17 15 1
	SEPT.	16 0 50	15 23 45
	OCT.	15 13 34	15 9 3
	○	30 7 56	30 8 23
	NOV.	14 2 18	13 19 26
	DEC.	13 15 2	13 7 8
1092. D.C. 14 10 19	JAN.	12 3 47	11 20 14
	FEB.	10 16 31	10 10 38
	MAR.	11 5 15	11 2 7
	APRIL	9 17 59	9 18 13
	○	24 12 21	24 16 29
	MAY	9 6 43	9 10 14
	JUNE	7 19 27	8 1 25
	JULY	7 8 11	7 15 12
	AUG.	5 20 55	6 3 27
	SEPT.	4 9 39	4 14 29
	OCT.	3 22 23	4 0 55
	○	18 16 45	18 7 50
	NOV.	2 11 7	2 11 18
	DEC.	1 23 51	1 21 56
		31 12 35	31 8 58
1093. B. 14 16 8	JAN.	30 1 19	29 20 25
	FEB.	28 14 3	28 8 28
	MAR.	30 2 47	29 21 21
	○	13 21 9	14 8 33
	APRIL	28 15 31	28 11 16
	MAY	28 4 15	28 2 7
	JUNE	26 16 59	26 17 29
	JULY	26 5 43	26 8 45
	AUG.	24 18 27	24 23 18
	SEPT.	23 7 11	23 12 53
	○	8 1 33	7 11 54
	OCT.	22 19 55	23 1 32
	NOV.	21 8 39	21 13 25
	DEC.	20 21 23	21 0 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1094. A. March. d. h. m. 14 21 56	JAN.	19 10 8	19 11 21
	FEB.	17 22 52	17 21 33
	MAR.	19 11 36	19 7 34
	APRIL	18 0 20	17 18 1
	MAY	17 13 4	17 5 32
	JUNE	16 1 48	15 18 38
	JULY	15 14 32	15 9 22
	AUG.	14 3 16	14 1 23
	SEPT.	12 16 0	12 17 49
	OCT.	12 4 44	12 9 56
	NOV.	10 17 28	11 1 3
	DEC.	10 6 12	10 14 46
1095. G. 15 3 45	JAN.	8 18 57	9 2 59
	FEB.	7 7 41	7 13 38
	○	22 2 3	22 5 30
	MAR.	8 20 25	8 23 1
	APRIL	7 9 9	7 7 35
	MAY	6 21 53	6 16 4
	JUNE	5 10 37	5 1 26
	JULY	4 23 21	4 12 35
	AUG.	3 12 5	3 2 7
	○	18 6 27	18 6 58
	SEPT.	2 0 49	1 17 59
	OCT.	1 13 33	1 11 31
		31 2 17	31 5 36
	NOV.	29 15 1	29 23 2
	DEC.	29 3 45	29 14 44
1093. F.E. 14 9 31	JAN.	27 16 29	28 4 9
	○	11 10 51	11 6 17
	FEB.	26 5 13	26 15 13
	MAR.	26 17 57	27 0 16
	APRIL	25 6 41	25 7 57
	MAY	24 19 25	24 15 10
	JUNE	23 8 9	22 22 58
	JULY	22 20 53	22 8 28
	○	6 15 15	6 21 22
	AUG.	21 9 37	20 20 33
	SEPT.	19 22 21	19 11 35
	OCT.	19 11 5	19 5 11
	NOV.	17 23 49	18 0 17
	DEC.	17 12 33	17 19 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1097. D.		d. h. m.	d. h. m.
March. d. h. m. 14 15 23	JAN. .	16 1 18	16 12 48
	○	30 19 40	30 18 28
	FEB. .	14 14 2	15 8 38
	MAR. .	16 2 46	16 15 31
	APRIL	14 15 30	15 0 49
	MAY .	14 4 14	14 8 17
	JUNE .	12 16 58	12 14 59
	JULY .	12 5 42	11 21 58
	AUG. .	10 18 26	10 6 22
	SEPT. .	9 7 10	8 17 10
	OCT. .	8 19 54	8 6 58
	NOV. .	7 8 38	6 23 46
	DEC. .	6 21 22	6 18 41
1098. C. 14 21 12	JAN. .	5 10 7	5 14 18
	FEB. .	3 22 51	4 8 50
	MAR. .	5 11 35	6 0 58
	APRIL	4 0 19	4 14 1
	MAY .	3 13 3	4 0 10
	JUNE .	2 1 47	2 8 10
	JULY .	1 14 31	1 15 4
		31 8 15	30 23 59
	AUG. .	29 15 59	29 5 59
	SEPT.	28 4 43	27 15 57
	OCT. .	27 17 27	27 4 34
	NOV. .	26 6 11	25 19 56
	○	11 0 33	11 7 28
	DEC. .	25 18 55	25 13 38
1099. B. 15 8 1	JAN. .	24 7 39	24 8 31
	FEB. .	22 20 23	23 3 8
	MAR. .	24 9 7	24 20 2
	APRIL	22 21 51	23 10 22
	MAY .	22 10 35	22 21 58
	○	6 4 57	5 19 49
	JUNE .	20 23 19	21 7 8
	JULY .	20 12 3	20 15 0
	AUG. .	19 0 47	18 22 34
	SEPT. .	17 13 31	17 6 51
	OCT. .	17 2 15	16 16 31
	NOV. .	15 14 59	15 4 13
	○	30 9 21	30 18 11
	DEC. .	15 3 43	14 18 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1100. A.G. March. d. h. m. 14 8 49		d. h. m.	d. h. m.
	JAN. .	13 16 28	13 9 46
	FEB. .	12 5 12	12 2 53
	MAR. .	12 17 56	12 20 25
	APRIL	11 6 40	11 13 20
	MAY .	10 19 24	11 4 37
	○	25 13 46	25 7 21
	JUNE .	9 8 8	9 17 46
	JULY .	8 20 52	9 4 51
	AUG. .	7 9 36	7 14 25
	SEPT. .	5 22 20	5 23 21
	OCT. .	5 11 4	5 8 30
	NOV. .	3 23 48	3 18 29
	○	18 18 10	18 21 42
	DEC. .	3 12 32	3 5 33
1101. F. 14 14 38	JAN. .	2 1 16	1 17 51
		31 14 0	31 7 23
	FEB. .	...	...
	MAR. .	2 2 44	1 22 4
		31 15 23	31 13 39
	APRIL	30 4 12	30 5 35
	MAY .	29 16 56	29 21 12
	JUNE .	28 5 40	28 11 49
	JULY .	27 18 24	28 1 0
	AUG. .	26 7 8	26 12 51
	SEPT. .	24 19 52	24 23 47
	OCT. .	24 8 36	24 10 23
	NOV. .	22 21 20	22 21 1
	DEC. .	22 10 4	22 7 51
1102. E. 14 20 27	JAN. .	20 22 48	20 18 58
	FEB. .	19 11 32	19 6 27
	MAR. .	21 0 17	20 18 35
	○	4 18 39	5 7 35
	APRIL	19 13 1	19 7 41
	MAY .	19 1 45	18 21 54
	JUNE .	17 14 29	17 12 51
	JULY .	17 3 13	17 4 28
	AUG. .	15 15 57	15 19 38
	SEPT. .	14 4 41	14 10 0
	○	28 23 3	28 9 18
	OCT. .	13 17 25	13 23 21
	NOV. .	12 6 9	12 11 53
	DEC. .	11 18 53	11 23 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1103. D. March. d. h. m. 15 2 16		d. h. m.	d. h. m.
	JAN.	10 7 37	10 10 31
	FEB.	8 20 21	8 20 47
	MAR.	10 9 6	10 6 38
	○	25 8 28	25 16 19
	APRIL	8 21 50	8 16 31
	MAY	8 10 34	8 3 9
	JUNE	6 23 18	6 15 14
	JULY	6 12 2	6 5 6
	AUG.	5 0 46	4 20 37
	SEPT.	3 13 30	3 13 7
	○	18 7 52	17 22 36
	OCT.	3 2 14	3 5 46
	NOV.	1 14 58	1 21 44
	DEC.	1 3 42	1 12 24
		30 16 26	31 1 27
1104. C.B. 14 8 5	JAN.	29 5 10	29 12 50
	FEB.	27 17 54	27 22 40
	○	13 12 16	13 18 3
	MAR.	28 6 38	28 7 21
	APRIL	26 19 22	26 15 32
	MAY	26 8 6	26 0 9
	JUNE	24 20 50	24 10 11
	JULY	24 9 34	23 22 28
	AUG.	22 22 18	22 13 14
	○	6 16 40	6 15 5
	SEPT.	21 11 2	21 6 12
	OCT.	20 23 46	21 0 23
	NOV.	19 12 30	19 18 31
	DEC.	19 1 14	19 11 20
1105. A. 14 13 54	JAN.	17 13 59	18 2 1
	FEB.	16 2 43	16 14 11
	MAR.	17 15 27	18 0 1
	APRIL	16 4 11	16 8 7
	MAY	15 16 55	15 15 19
	JUNE	14 5 39	13 22 35
	JULY	13 18 23	13 7 3
	AUG.	12 7 7	11 17 46
	SEPT.	10 19 51	10 7 22
	OCT.	10 8 35	9 23 53
	NOV.	8 21 19	8 13 33
	DEC.	8 10 3	8 13 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1106. G. March. d. h. m. 14 19 42		d. h. m.	d. h. m.
	JAN.	6 22 48	7 8 26
	○	21 17 10	21 11 29
	FEB.	5 11 32	6 0 39
	MAR.	7 0 16	7 13 56
	APRIL	5 13 0	6 0 20
	MAY	5 1 44	5 8 30
	JUNE	3 14 28	3 15 23
	JULY	3 3 12	2 22 5
	○	17 21 34	18 1 36
	AUG.	1 15 56	1 5 41
		31 4 40	30 15 14
	SEPT.	29 17 24	29 3 35
	OCT.	29 6 8	28 19 0
	NOV.	27 18 52	27 13 3
	DEC.	27 7 36	27 8 30
1107. F. 15 1 31	○	11 1 58	11 2 5
	JAN.	25 20 20	26 3 42
	FEB.	24 9 4	24 21 5
	MAR.	25 21 48	26 11 38
	APRIL	24 10 32	24 23 6
	MAY	23 23 16	24 8 3
	JUNE	22 12 0	22 15 22
	○	7 6 22	7 2 23
	JULY	22 0 44	21 22 13
	AUG.	20 13 28	20 5 41
	SEPT.	19 2 12	18 14 42
	OCT.	18 14 56	18 2 2
	NOV.	17 3 40	16 16 3
	DEC.	16 16 24	16 8 38
	○	31 10 46	31 17 44
1108. E.D. 14 7 20	JAN.	15 5 9	15 2 59
	FEB.	13 17 53	13 21 45
	MAR.	14 6 37	14 15 30
	APRIL	12 19 21	13 7 6
	MAY	12 8 5	12 19 59
	JUNE	10 20 49	11 6 20
	JULY	10 9 33	10 14 51
	AUG.	8 22 17	8 22 37
	SEPT.	7 11 1	7 6 35
	OCT.	6 23 45	6 15 43
	NOV.	5 12 29	5 2 27
	DEC.	5 1 13	4 15 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1109. C. March. d. h. m. 14 18 9	JAN.	8 18 58	8 5 51
	FEB.	2 2 42	1 22 9
	MAR.	8 15 26	8 15 21
	APRIL	2 4 10	2 8 29
	MAY ○	1 16 54	2 0 35
		16 11 16	16 7 7
		31 5 38	31 14 50
	JUNE	29 18 22	30 8 1
	JULY	29 7 6	29 13 26
	AUG.	27 19 50	27 22 49
	SEPT.	26 8 34	26 8 2
	OCT.	25 21 18	25 17 42
	○ NOV.	9 15 40	9 16 12
		24 10 2	24 4 18
	DEC.	23 22 46	23 15 56
1110. B. 14 18 57	JAN.	22 11 30	22 4 42
	FEB.	21 0 14	20 18 33
	MAR.	22 12 58	22 9 25
	APRIL	21 1 42	21 1 1
	○ MAY	5 20 4	6 0 6
		20 14 26	20 16 44
	JUNE	19 8 10	19 7 56
	JULY	18 15 54	18 21 59
	AUG.	17 4 38	17 10 44
	SEPT.	15 17 22	15 22 21
	OCT.	15 6 6	15 9 20
	○ NOV.	30 0 28	29 15 36
		13 18 50	13 20 6
	DEC.	13 7 34	13 6 53
1111. A. 15 0 46	JAN.	11 20 19	11 17 50
	FEB.	10 9 3	10 4 54
	MAR.	11 21 47	11 16 23
	APRIL	10 10 31	10 4 39
	○ MAY	25 4 53	25 16 8
		9 23 15	9 18 3
	JUNE	8 11 59	8 8 38
	JULY	8 0 43	7 23 59
	AUG.	6 13 27	6 15 31
	SEPT.	5 2 11	5 6 35
	OCT.	4 14 55	4 20 48
	○ NOV.	19 9 17	18 19 59
		3 3 39	3 10 1
	DEC.	2 16 23	2 22 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1112. G.F. March. d. h. m. 14 6 35	JAN.	1 5 7	1 9 36
		30 17 51	30 20 6
	FEB.	29 6 35	29 5 54
	MAR.	29 19 19	29 15 25
	APRIL	28 8 8	28 1 19
	MAY	27 20 47	27 12 24
	JUNE	26 9 31	26 1 14
	JULY	25 22 15	25 15 59
	AUG.	24 10 59	24 8 13
	SEPT.	22 23 43	23 1 9
	OCT.	22 12 27	22 17 50
	NOV.	21 1 11	21 9 28
	DEC.	20 13 55	20 23 30
1113. E. 14 12 24	JAN.	19 2 40	19 11 44
	FEB.	17 15 24	17 22 11
	○ MAR.	4 9 46	4 12 51
		19 4 8	19 7 11
	APRIL	17 16 52	17 15 19
	MAY	17 5 36	16 23 24
	JUNE	15 18 20	15 8 28
	JULY	15 7 4	14 19 28
	AUG.	13 19 48	13 9 0
	○ SEPT.	28 14 10	28 14 50
		12 8 32	12 1 4
	OCT.	11 21 16	11 18 58
	NOV.	10 10 0	10 13 31
	DEC.	9 22 44	10 7 18
1114. D. 14 18 13	JAN.	8 11 29	8 23 13
	FEB.	7 0 13	7 12 37
	○ MAR.	21 18 35	21 14 3
		8 12 57	8 23 27
	APRIL	7 1 41	7 8 12
	MAY	6 14 25	6 15 35
	JUNE	5 3 9	4 22 34
	JULY	4 15 53	4 6 15
	AUG.	3 4 37	2 15 43
	○ SEPT.	17 22 59	18 4 49
		1 17 21	1 3 52
	OCT.	1 6 5	30 19 4
	○ NOV.	30 18 49	30 12 53
		29 7 33	29 8 14
	DEC.	28 20 17	29 3 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1115. C.	JAN.	27 9 1	27 20 55
March. d. h. m. 15 0 2	○	11 8 28	10 21 49
	FEB.	25 21 45	26 11 39
	MAR.	27 10 29	27 23 22
	APRIL	25 23 13	26 8 27
	MAY	25 11 57	25 15 46
	JUNE	24 0 41	23 22 24
	JULY	23 13 25	23 5 26
	○	7 7 47	7 12 12
	AUG.	22 2 9	21 13 58
	SEPT.	20 14 53	20 0 56
	OCT.	20 8 37	19 14 53
	NOV.	18 16 21	18 7 46
	DEC.	18 5 5	18 2 41
1116. B.A. 14 5 50	JAN.	16 17 50	16 22 11
	FEB.	15 6 34	15 16 33
	MAR.	15 19 18	16 8 30
	APRIL	14 8 2	14 21 25
	MAY	13 20 46	14 7 29
	JUNE	12 9 30	12 15 30
	JULY	11 22 14	11 22 32
	AUG.	10 10 58	10 5 42
	SEPT.	8 23 42	8 13 57
	OCT.	8 12 26	8 0 10
	NOV.	7 1 10	6 12 54
	DEC.	6 13 54	6 4 14
	○	21 8 16	21 16 18
1117. G. 14 11 39	JAN.	5 2 39	4 21 48
	FEB.	3 15 23	3 16 15
	MAR.	5 4 7	5 10 30
	APRIL	3 16 51	4 3 9
	MAY	3 5 35	3 17 23
	JUNE	1 18 19	2 4 57
	○	16 12 41	16 2 43
	JULY	1 7 3	1 14 23
		30 19 47	30 22 32
	AUG.	29 8 31	29 6 30
	SEPT.	27 21 15	27 15 10
	OCT.	27 9 59	27 1 8
	NOV.	25 22 43	25 12 54
	○	10 17 5	11 2 39
	DEC.	25 11 27	25 2 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1118. F. March. d. h. m. 14 17 28	JAN.	24 0 11	23 17 54
	FEB.	22 12 55	22 10 28
	MAR.	24 1 39	24 3 31
	APRIL	22 14 23	22 20 5
	MAY	22 3 7	22 11 16
	○	5 21 29	5 14 38
	JUNE	20 15 51	21 0 33
	JULY	20 4 35	20 11 58
	AUG.	18 17 19	18 22 0
	SEPT.	17 6 3	17 7 26
	OCT.	16 18 47	16 17 3
	NOV.	15 7 31	15 3 18
	○	30 1 53	30 5 42
	DEC.	14 20 15	14 14 25
1119. E. 14 23 17	JAN.	13 9 0	13 2 31
	FEB.	11 21 44	11 15 34
	MAR.	13 10 28	13 5 39
	APRIL	11 23 12	11 20 38
	MAY	11 11 56	11 12 12
	JUNE	10 0 40	10 3 41
	JULY	9 13 24	9 18 27
	AUG.	8 2 8	8 8 3
	SEPT.	6 14 52	6 20 29
	OCT.	6 3 36	6 8 1
	NOV.	4 16 20	4 19 4
	DEC.	4 5 4	4 5 58
1120. D.C. 14 5 6	JAN.	2 17 49	2 16 50
	FEB.	1 6 33	1 3 39
	MAR.	1 19 17	1 14 38
		31 8 1	31 2 9
	○	15 2 23	15 15 9
	APRIL	29 20 45	29 14 41
	MAY	29 9 29	29 4 30
	JUNE	27 22 13	27 19 27
	JULY	27 10 57	27 11 5
	AUG.	25 23 41	26 2 41
	SEPT.	24 12 25	24 17 39
	○	9 6 47	8 17 24
	OCT.	24 1 9	24 7 39
	NOV.	22 13 53	22 20 37
	DEC.	22 2 37	22 8 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1121.		d. h. m.	d. h. m.
B. March. d. h. m. 14 10 55	JAN. .	20 15 21	20 19 22
	FEB. .	19 4 5	19 5 20
	MAR. .	20 16 49	20 14 41
	○	4 11 11	4 23 33
	APRIL	19 5 33	19 0 1
	MAY .	18 18 17	18 10 11
	JUNE .	17 7 1	16 21 57
	JULY .	16 19 45	16 11 42
	AUG. .	15 8 29	15 8 21
	SEPT. .	13 21 13	13 20 14
	○	28 15 35	28 6 50
	OCT. .	13 9 57	13 13 27
	NOV. .	11 22 41	12 5 57
	DEC. .	11 11 25	11 21 0
1122. A. 14 16 43	JAN. .	10 0 10	10 10 13
	FEB. .	8 12 54	8 21 27
	MAR. .	10 1 38	10 6 59
	○	24 20 0	25 1 9
	APRIL	8 14 22	8 15 15
	MAY .	8 8 6	7 23 3
	JUNE .	6 15 50	6 7 21
	JULY .	6 4 34	5 17 10
	AUG. .	4 17 18	4 5 24
	SEPT. .	3 6 2	2 20 19
	○	18 0 24	17 23 15
	OCT. .	2 18 46	2 13 34
	NOV. .	1 7 30	1 8 9
		30 20 14	1 2 39
	DEC. .	30 8 58	30 19 43
1123. G. 14 22 32	JAN. .	28 21 43	29 10 27
	FEB. .	27 10 27	27 22 28
	MAR. .	28 23 11	29 8 3
	APRIL	27 11 55	27 15 51
	MAY .	27 0 39	26 22 47
	JUNE .	25 13 23	25 5 55
	JULY .	25 2 7	24 14 21
	AUG. .	23 14 51	23 1 7
	SEPT. .	22 3 35	21 14 51
	OCT. .	21 16 19	21 7 34
	NOV. .	20 5 3	20 2 26
	DEC. .	19 17 47	19 21 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1124.		d. h. m.	d. h. m.
F.E. March. d. h. m. 14 4 21	JAN. .	18 6 31	18 16 29
	○	2 0 53	1 20 1
	FEB. .	16 19 15	17 8 39
	MAR. .	17 7 59	17 21 47
	APRIL	15 20 43	16 8 0
	MAY .	15 9 27	15 16 0
	JUNE .	13 22 11	13 22 50
	JULY .	13 10 55	13 5 33
	○	28 5 17	28 8 18
	AUG. .	11 23 39	11 13 17
	SEPT. .	10 12 23	9 23 1
	OCT. .	10 1 7	9 11 31
	NOV. .	8 13 51	8 3 2
	DEC. .	8 2 35	7 21 4
1125. D. 14 10 10	JAN. .	6 15 20	6 16 25
	○	21 9 42	21 10 56
	FEB. .	5 4 4	5 11 26
	MAR. .	6 16 48	7 4 39
	APRIL	5 5 32	5 19 2
	MAY .	4 18 16	5 6 25
	JUNE .	3 7 0	3 15 21
	JULY .	2 19 44	2 22 48
	○	17 14 6	17 8 57
	AUG. .	1 8 28	1 5 52
		30 21 12	30 18 36
	SEPT. .	29 9 56	28 22 54
	OCT. .	28 22 40	28 10 24
	NOV. .	27 11 24	27 0 27
	DEC. .	27 0 8	26 16 51
1126. C. 14 15 59	○	10 18 30	11 2 36
	JAN. .	25 12 52	25 10 49
	FEB. .	24 1 36	24 5 11
	MAR. .	25 14 20	25 22 38
	APRIL	24 3 4	24 14 4
	MAY .	23 15 48	24 2 56
	JUNE .	22 4 32	22 13 27
	○	6 22 54	6 12 2
	JULY .	21 17 16	21 22 16
	AUG. .	20 6 0	20 6 23
	SEPT. .	18 18 44	18 14 48
	OCT. .	18 7 28	18 0 13
	NOV. .	16 20 12	16 11 9
	DEC. .	16 8 56	15 23 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1127.		d. h. m.	d. h. m.
B. March. d. h. m. 14 21 47	JAN. .	14 21 41	14 14 11
	FEB. .	13 10 25	13 5 58
	MAR. .	14 23 9	14 22 38
	APRIL	13 11 58	13 15 21
	MAY .	13 0 37	13 7 13
	○	27 18 59	27 14 32
	JUNE .	11 13 21	11 21 30
	JULY .	11 2 5	11 9 57
	AUG. .	9 14 49	9 20 49
	SEPT. .	8 3 33	8 6 43
	OCT. .	7 16 17	7 16 24
	NOV. .	6 5 1	6 2 28
	○	20 23 23	21 0 6
	DEC. .	5 17 45	5 13 13
1128. A.G. 14 3 36	JAN. .	4 6 30	4 0 46
	FEB. .	2 19 14	2 13 6
	MAR. .	3 7 58	3 2 23
	APRIL	1 20 42	1 16 39
	MAY ○	1 9 26	1 7 45
		16 3 48	16 7 39
		30 22 10	30 23 13
	JUNE .	29 10 54	29 14 27
	JULY .	28 23 38	29 4 51
	AUG. .	27 12 22	27 13 7
	SEPT. .	26 1 6	26 6 20
	OCT. .	25 13 50	25 17 51
	○	9 8 12	8 23 32
	NOV. .	24 2 34	24 4 59
	DEC. .	23 15 18	23 15 58
1129. F. 14 9 25	JAN. .	22 4 2	22 2 37
	FEB. .	20 16 46	20 13 15
	MAR. .	22 5 30	22 0 10
	APRIL	20 18 14	20 11 51
	○	5 12 36	5 23 34
	MAY .	20 6 58	20 0 47
	JUNE .	18 19 42	18 15 5
	JULY .	18 8 26	18 6 29
	AUG. .	16 21 10	16 22 21
	SEPT. .	15 9 54	15 13 58
	OCT. .	14 22 38	15 4 48
	○	29 17 0	29 4 12
	NOV. .	13 11 22	13 18 32
	DEC. .	13 0 6	13 7 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1130.		d. h. m.	d. h. m.
E. March. d. h. m. 14 15 14	JAN. .	11 12 51	11 18 29
	FEB. .	10 1 35	10 4 45
	MAR. .	11 14 19	11 14 9
	APRIL	10 3 8	9 23 10
	MAY .	9 15 47	9 8 34
	JUNE .	8 4 31	7 19 17
	JULY .	7 17 15	7 7 54
	AUG. .	6 5 59	5 22 42
	SEPT. .	4 18 43	4 15 13
	OCT. .	4 7 27	4 8 38
	NOV. .	2 20 11	3 1 51
	DEC. .	2 8 55	2 17 55
		31 21 39	...
1131. D. 14 21 3	JAN. .	...	1 8 11
		30 10 23	30 20 22
	FEB. .	28 23 8	1 6 36
	○	15 17 30	15 20 6
	MAR. .	30 11 52	30 15 13
	APRIL	29 0 36	28 22 58
	MAY .	28 13 20	28 6 43
	JUNE .	27 2 4	26 15 33
	JULY .	26 14 48	26 2 28
	AUG. .	25 3 32	24 16 4
	○	8 21 54	8 22 49
	SEPT. .	23 16 16	23 8 22
	OCT. .	23 5 0	23 2 36
	NOV. .	21 17 44	21 21 30
	DEC. .	21 6 28	21 15 34
1132. C.B. 14 2 52	JAN. .	19 19 12	20 7 35
	FEB. .	18 7 56	18 20 54
	○	4 2 18	3 21 42
	MAR. .	18 20 40	19 7 31
	APRIL	17 9 24	17 15 58
	MAY .	16 22 8	16 23 7
	JUNE .	15 10 52	15 5 57
	JULY .	14 23 36	14 13 31
	AUG. .	13 12 20	12 23 5
	○	28 6 42	28 12 22
	SEPT. .	12 1 4	11 11 21
	OCT. .	11 13 48	11 2 42
	NOV. .	10 2 32	9 20 43
	DEC. .	9 15 16	9 16 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1133. A.		d. h. m.	d. h. m.
	JAN. .	8 4 1	8 11 27
	FEB. .	6 16 45	7 4 54
March. d. h. m. 14 8 40	○	21 11 7	21 6 8
	MAR. .	8 5 29	8 19 30
	APRIL	6 18 13	7 7 2
	MAY .	6 6 57	6 15 58
	JUNE .	4 19 41	4 23 14
	JULY .	4 8 25	4 5 53
	AUG. .	2 21 9	2 13 2
	○	17 15 31	17 19 12
	SEPT. .	1 9 53	31 21 45
		30 22 37	30 8 53
	OCT. .	30 11 21	29 22 59
	NOV. .	29 0 5	28 15 52
	DEC. .	28 12 49	28 10 39
1134. G. 14 14 29	JAN. .	27 1 34	27 5 58
	FEB. .	25 14 18	26 0 7
	MAR. .	27 8 2	27 15 54
	APRIL	25 15 46	26 4 43
	MAY .	25 4 30	25 14 46
	JUNE .	23 17 14	23 22 52
	JULY .	23 5 58	23 6 6
	AUG. .	21 18 42	21 13 32
	SEPT. .	20 7 26	19 22 5
	OCT. .	19 20 10	19 8 33
	NOV. .	18 8 54	17 21 22
	DEC. .	17 21 38	17 12 34
1135. F. 14 20 18	○	1 16 0	2 1 7
	JAN. .	16 10 22	16 5 43
	FEB. .	14 23 6	14 23 50
	MAR. .	16 11 50	16 17 43
	APRIL	15 0 34	15 10 7
	MAY .	14 13 18	15 0 16
	JUNE .	13 2 2	13 11 57
	○	27 20 24	27 9 39
	JULY .	12 14 46	12 21 37
	AUG. .	11 3 30	11 6 11
	SEPT. .	9 16 14	9 14 32
	OCT. .	9 4 58	8 23 35
	NOV. .	7 17 42	7 9 51
	DEC. .	7 6 26	6 21 39
	○	22 0 48	22 11 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1136. E.D.		d. h. m.	d. h. m.
	JAN. .	5 19 11	5 11 4
	FEB. .	4 7 55	4 1 55
March. d. h. m. 14 2 7	MAR. .	4 20 39	4 18 0
	APRIL	3 9 23	3 10 32
	MAY .	2 22 7	3 2 46
		1 10 51	1 17 53
	JUNE ○	16 5 13	15 21 57
		30 23 35	1 7 21
	JULY .	30 12 19	30 19 9
	AUG. .	29 1 8	29 5 42
	SEPT. .	27 13 47	27 15 40
	OCT. .	27 2 31	27 1 42
	NOV. .	25 15 15	25 12 12
	○	10 9 37	10 13 44
	DEC. .	25 3 59	24 23 20
1137 C. 14 7 56	JAN. .	23 16 44	23 11 7
	FEB. .	22 5 28	21 23 39
	MAR. .	23 18 12	23 13 7
	APRIL	22 6 56	22 3 32
	MAY .	21 19 40	21 18 43
	JUNE .	20 8 24	20 10 8
	JULY .	19 21 8	20 1 7
	AUG. .	18 9 52	18 15 12
	SEPT. .	16 22 36	17 4 13
	OCT. .	16 11 20	16 16 21
	NOV. .	15 0 4	15 3 51
	DEC. .	14 12 48	14 14 56
1138. B. 14 13 45	JAN. .	13 1 32	13 1 42
	FEB. .	11 14 16	11 12 12
	MAR. .	13 3 0	12 22 39
	APRIL	11 15 44	11 9 36
	○	26 10 6	26 22 33
	MAY .	11 4 28	10 21 35
	JUNE .	9 17 12	9 11 3
	JULY .	9 5 56	9 1 56
	AUG. .	7 18 40	7 17 46
	SEPT. .	6 7 24	6 9 51
	OCT. .	5 20 8	6 1 25
	○	20 14 30	20 1 38
	NOV. .	4 8 52	4 16 0
	DEC. .	3 21 36	4 5 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1139. A.		d. h. m.	d. h. m.
	JAN.	2 10 21	2 17 23
		31 23 5	
March. d. h. m. 14 19 33	FEB.	...	1 4 7
	MAR.	2 11 49	2 13 44
			31 22 36
	APRIL ○	1 0 33	
		15 18 55	16 6 39
		30 13 17	30 7 29
	MAY	30 2 1	29 17 14
	JUNE	28 14 45	28 4 42
	JULY	28 3 29	27 18 24
	AUG.	26 16 13	26 10 15
	SEPT.	25 4 57	25 3 32
	○	9 23 19	9 15 14
	OCT.	24 17 41	24 21 14
	NOV.	23 6 25	23 14 13
	DEC.	22 19 9	23 5 36
1140. G.F.	JAN.	21 7 53	21 18 51
	FEB.	19 20 37	20 5 55
14 1 22	MAR.	20 9 21	20 15 7
	○	4 3 43	4 8 7
	APRIL	18 22 5	18 23 2
	MAY	18 10 49	18 6 29
	JUNE	16 23 33	16 14 32
	JULY	16 12 17	16 0 13
	AUG.	15 1 1	14 12 27
	SEPT.	13 13 45	13 3 31
	○	23 8 7	23 7 31
	OCT.	13 2 29	12 21 3
	NOV.	11 15 13	11 15 59
	DEC.	11 3 57	11 10 47
1141. E.	JAN.	9 16 42	10 4 2
	FEB.	8 5 26	8 18 44
14 7 11	MAR.	9 18 10	10 6 34
	APRIL	8 6 54	8 15 54
	MAY	7 19 33	7 23 27
	JUNE	6 8 22	6 6 14
	JULY	5 21 6	5 13 17
	AUG.	4 9 50	3 21 44
	SEPT.	2 22 34	2 8 36
	OCT.	2 11 18	1 22 29
	NOV.	1 0 2	31 15 21
		30 12 46	30 10 21
	DEC.	30 1 30	30 5 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1142. D.		d. h. m.	d. h. m.
	JAN.	28 14 15	29 0 26
	○	12 8 37	12 4 28
March. d. h. m. 14 13 0	FEB.	27 2 59	27 16 30
	MAR.	28 15 43	29 5 28
	APRIL	27 4 27	27 15 33
	MAY	26 17 11	26 23 28
	JUNE	25 5 55	25 6 17
	JULY	24 18 39	24 13 7
	○	8 13 1	8 15 5
	AUG.	23 7 23	22 21 1
	SEPT.	21 20 7	21 6 58
	OCT.	21 8 51	20 19 37
	NOV.	19 21 35	19 11 11
	DEC.	19 10 19	19 5 8
1143. C.	JAN.	17 23 8	18 0 16
	○	1 17 25	1 19 39
	FEB.	16 11 47	16 19 4
14 18 49	MAR.	18 0 31	18 12 2
	APRIL	16 13 15	17 2 16
	MAY	16 1 59	16 13 37
	JUNE	14 14 43	14 22 37
	JULY	14 3 27	14 6 15
	○	28 21 49	28 15 33
	AUG.	12 16 11	12 13 35
	SEPT.	11 4 55	10 21 38
	OCT.	10 17 39	10 7 14
	NOV.	9 6 23	8 18 54
	DEC.	3 19 7	8 8 55
1144. B.A.	JAN.	7 7 52	7 1 4
	○	22 2 14	22 11 20
	FEB.	5 20 36	5 18 37
14 0 38	MAR.	6 9 20	6 12 32
	APRIL	4 22 4	5 5 38
	MAY	4 10 48	4 20 54
	JUNE	2 23 32	3 9 50
	JULY	2 12 16	2 20 34
	○	17 6 38	16 18 56
	AUG.	1 1 0	1 5 44
		30 13 44	30 14 17
	SEPT.	29 2 28	28 23 7
	OCT.	28 15 12	28 8 53
	NOV.	27 3 56	26 19 58
	DEC.	26 16 40	26 8 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1145.		d. h. m.	d. h. m.
G. March. d. h. m. 14 6 26	JAN.	25 5 25	24 22 29
	FEB.	23 18 9	23 13 44
	MAR.	25 6 53	25 5 48
	APRIL	23 19 37	23 22 6
	MAY	23 8 21	23 13 45
	○	7 2 43	6 21 56
	JUNE	21 21 5	22 4 9
	JULY	21 9 49	21 16 58
	AUG.	19 22 33	20 4 18
	SEPT.	18 11 17	18 14 45
	OCT.	18 0 1	18 0 55
	NOV.	16 12 45	16 11 19
	○	1 7 7	1 8 2
	DEC.	16 1 29	15 22 10
1146. F. 14 12 15	JAN.	14 14 13	14 9 31
	FEB.	13 2 57	12 21 25
	MAR.	14 15 41	14 10 5
	APRIL	13 4 25	12 23 44
	MAY	12 17 9	12 14 21
	○	27 11 31	27 15 8
	JUNE	11 5 53	11 5 33
	JULY	10 18 37	10 20 58
	AUG.	9 7 21	9 11 45
	SEPT.	7 20 5	8 1 36
	OCT.	7 8 49	7 14 26
	NOV.	5 21 33	6 2 28
	○	20 15 55	20 7 32
	DEC.	5 10 17	5 13 54
1147. E. 14 18 4	JAN.	3 23 2	4 0 50
	FEB.	2 11 46	2 11 19
	MAR.	4 0 30	3 21 31
	APRIL	2 13 14	2 7 51
	MAY ○	2 1 58	1 18 59
		16 20 20	17 6 55
		31 14 42	31 7 28
	JUNE	30 3 26	29 21 35
	JULY	29 16 10	29 13 6
	AUG.	28 4 54	28 5 20
	SEPT.	26 17 38	26 21 29
	OCT.	26 6 22	26 12 55
	○	10 0 44	9 12 34
	NOV.	24 19 6	25 3 9
	DEC.	24 7 50	24 15 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1148.		d. h. m.	d. h. m.
D.C. March. d. h. m. 13 23 53	JAN.	22 20 35	23 3 18
	FEB.	21 9 19	21 13 17
	MAR.	21 22 3	21 22 16
	APRIL	20 10 47	20 6 48
	MAY	19 23 31	19 15 48
	JUNE	18 12 15	18 2 9
	JULY	18 0 59	17 14 39
	AUG.	16 13 43	16 5 30
	SEPT.	15 2 27	14 22 21
	OCT.	14 15 11	14 16 12
	NOV.	13 3 55	13 9 55
	DEC.	12 16 39	13 2 22
1149. B. 14 5 42	JAN.	11 5 23	11 16 49
	FEB.	9 18 7	10 4 54
	MAR.	11 6 51	11 14 51
	○	26 1 13	26 3 10
	APRIL	9 19 35	9 23 8
	MAY	9 8 19	9 6 31
	JUNE	7 21 3	7 14 1
	JULY	7 9 47	6 22 42
	AUG.	5 22 31	5 9 33
	SEPT.	4 11 15	3 23 15
	○	19 5 37	19 6 57
	OCT.	3 23 59	3 15 45
	NOV.	2 12 43	2 10 18
	DEC.	2 1 27	2 5 30
		31 14 11	31 23 45
1150. A. 14 11 31	JAN.	30 2 55	30 15 50
	FEB.	28 15 40	1 5 3
	○	15 10 2	15 5 15
	MAR.	30 4 24	30 15 27
	APRIL	28 17 8	28 23 40
	MAY	28 5 52	28 6 37
	JUNE	26 18 36	26 13 21
	JULY	26 7 20	25 20 59
	AUG.	24 20 4	24 6 36
	○	8 14 26	8 20 1
	SEPT.	23 8 48	22 19 0
	OCT.	22 21 32	22 10 30
	NOV.	21 10 16	21 4 39
	DEC.	20 23 0	21 0 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1151. G.	JAN.	19 11 45	19 19 24
	FEB.	18 0 29	18 12 44
March. d. h. m. 14 17 19	○	4 18 51	4 14 11
	MAR.	19 13 13	20 3 13
	APRIL	18 1 57	18 14 36
	MAY	17 14 41	17 23 26
	JUNE	16 8 25	16 6 40
	JULY	15 16 9	15 13 23
	AUG.	14 4 53	13 20 43
	○	28 23 15	29 2 17
	SEPT.	12 17 37	12 5 40
	OCT.	12 6 21	11 17 1
	NOV.	10 19 5	10 7 11
	DEC.	10 7 49	10 0 0
1152. F.E. 13 23 8	JAN.	8 20 33	8 18 37
	FEB.	7 9 17	7 13 39
	MAR.	7 22 1	8 7 32
	APRIL	6 10 45	6 23 7
	MAY	5 23 29	6 11 51
	JUNE	4 12 13	4 21 58
	JULY	4 0 57	4 6 14
	AUG.	2 13 41	2 13 42
	SEPT.	1 2 25	31 21 27
		30 15 9	30 6 22
	OCT.	30 8 53	29 17 4
	NOV.	28 16 37	28 5 55
	DEC.	28 5 21	27 20 55
1153. D. 14 4 57	○	11 23 43	12 9 49
	JAN.	26 18 5	26 13 41
	FEB.	25 6 49	25 7 20
	MAR.	26 19 34	27 0 48
	APRIL	25 8 18	25 16 57
	MAY	24 21 2	25 7 4
	JUNE	23 9 46	23 18 55
	○	8 4 8	7 16 38
	JULY	22 22 30	23 4 57
	AUG.	21 11 14	21 13 54
	SEPT.	19 23 58	19 22 44
	OCT.	19 12 42	19 8 10
	NOV.	18 1 26	17 13 40
	DEC.	17 14 10	17 6 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1154. C.	○	1 8 32	1 19 26
	JAN.	16 2 54	15 19 33
March. d. h. m. 14 10 46	FEB.	14 15 38	14 9 56
	MAR.	16 4 22	16 1 22
	APRIL	14 17 6	14 17 22
	MAY	14 5 50	14 9 19
	JUNE	12 18 34	13 0 25
	○	27 12 56	27 5 15
	JULY	12 7 18	12 14 10
	AUG.	10 20 2	11 2 24
	SEPT.	9 8 46	9 13 30
	OCT.	8 21 30	9 0 1
	NOV.	7 10 14	7 10 28
	DEC.	6 22 58	6 21 10
	○	21 17 20	21 21 44
1155. B. 14 16 35	JAN.	5 11 43	5 8 12
	FEB.	4 0 27	3 19 37
	MAR.	5 13 11	5 7 37
	APRIL	4 1 55	3 20 27
	MAY	3 14 39	3 10 20
	JUNE	2 3 23	2 1 11
	○	16 21 45	16 22 10
	JULY	1 16 7	1 16 35
		31 4 51	31 7 51
	AUG.	29 17 35	29 22 26
	SEPT.	28 6 19	28 12 5
	OCT.	27 19 3	28 0 47
	NOV.	26 7 47	26 12 40
	DEC.	25 20 31	25 23.54
1156. A.G. 13 22 21	JAN.	24 9 15	24 10 31
	FEB.	22 22 0	22 20 38
	MAR.	23 10 44	23 6 34
	APRIL	21 23 28	21 16 57
	○	6 17 50	7 5 52
	MAY	21 12 12	21 4 28
	JUNE	20 0 56	19 17 38
	JULY	19 13 40	19 8 30
	AUG.	18 2 24	18 0 35
	SEPT.	16 15 8	16 17 7
	OCT.	16 8 52	16 9 17
	○	30 22 14	30 10 3
	NOV.	14 16 36	15 0 25
	DEC.	14 5 20	14 14 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1157. F. March. d. h. m. 14 4 12		d. h. m.	d. h. m.
	JAN. .	12 18 4	13 2 12
	FEB. .	11 6 48	11 12 44
	MAR. .	12 19 32	12 21 58
	APRIL	11 8 16	11 6 25
	○	26 2 38	26 13 35
	MAY .	10 21 0	10 14 51
	JUNE .	9 9 44	9 0 14
	JULY .	8 22 28	8 11 32
	AUG. .	7 11 12	7 1 12
	SEPT. .	5 23 56	5 17 15
	OCT. .	5 12 40	5 10 55
	○	20 7 2	19 23 47
	NOV. .	4 1 24	4 5 6
	DEC. .	3 14 8	3 22 29
1158. E. 14 10 1	JAN. .	2 2 52	2 14 8
		31 15 36	...
	FEB. .	...	1 3 23
	MAR. .	2 4 21	2 14 16
		31 17 5	31 23 9
	○	15 11 27	15 14 57
	APRIL	30 5 49	30 6 43
	MAY .	29 18 33	29 13 54
	JUNE .	28 7 17	27 21 44
	JULY .	27 20 1	27 7 23
	AUG. .	26 8 45	25 19 39
	SEPT. .	24 21 29	24 10 54
	○	9 15 51	9 15 57
	OCT. .	24 10 13	24 4 41
	NOV. .	22 22 57	22 23 53
	DEC. .	22 11 41	22 18 55
1159. D. 14 15 50	JAN. .	21 0 26	21 12 14
	FEB. .	19 13 10	20 2 52
	MAR. .	21 1 54	21 14 32
	APRIL	19 14 38	19 23 38
	MAY .	19 3 22	19 7 0
	JUNE .	17 16 6	17 13 39
	JULY .	17 4 50	16 20 43
	AUG. .	15 17 34	15 5 16
	SEPT. .	14 6 18	13 16 16
	OCT. .	13 19 2	13 6 19
	NOV. .	12 7 46	11 23 17
	DEC. .	11 20 30	11 18 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1160. C.B. March. d. h. m. 13 21 39		d. h. m.	d. h. m.
	JAN. .	10 9 14	10 13 53
	FEB. .	8 21 58	9 8 16
	○	23 16 20	23 12 48
	MAR. .	9 10 42	10 0 10
	APRIL	7 23 26	8 13 0
	MAY .	7 12 10	7 22 58
	JUNE .	6 0 54	6 6 52
	JULY .	5 13 38	5 13 44
	AUG. .	4 2 22	3 20 44
	○	18 20 44	18 21 56
	SEPT. .	2 15 6	2 4 53
	OCT. .	2 3 50	1 15 4
		31 16 34	31 3 52
	NOV. .	30 5 18	29 19 25
	DEC. .	29 18 2	29 13 11
1161. A. 14 3 28	JAN. .	28 6 47	28 8 3
	○	12 1 9	12 4 19
	FEB. .	26 19 31	27 2 32
	MAR. .	28 8 15	28 19 15
	APRIL	26 20 59	27 9 23
	MAY .	26 9 43	26 20 45
	JUNE .	24 22 27	25 5 53
	JULY .	24 11 11	24 13 46
	○	8 5 33	7 22 17
	AUG. .	22 23 55	22 21 26
	SEPT. .	21 12 39	21 5 51
	OCT. .	21 1 23	20 15 44
	NOV. .	19 14 7	19 3 32
	DEC. .	19 2 51	18 17 25
1162. G. 14 9 17	JAN. .	17 15 36	17 9 13
	○	1 9 58	1 19 59
	FEB. .	16 4 20	16 2 17
	MAR. .	17 17 4	17 19 45
	APRIL	16 5 48	16 12 30
	MAY .	15 18 32	16 3 39
	JUNE .	14 7 16	14 16 41
	JULY .	13 20 0	14 3 42
	○	28 14 22	28 1 57
	AUG. .	12 8 44	12 13 17
	SEPT. .	10 21 28	10 22 19
	OCT. .	10 10 12	10 7 35
	NOV. .	8 22 56	8 17 40
	DEC. .	8 11 40	8 4 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1163.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 14 15 5	JAN.	7 0 24	6 17 9
	FEB.	5 13 8	5 6 41
	MAR.	7 1 52	6 21 20
	APRIL	5 14 36	5 12 51
	MAY	5 3 20	5 4 43
	JUNE	3 16 4	3 20 15
	○	18 10 26	18 5 18
	JULY	3 4 48	3 10 49
	AUG.	1 17 32	1 23 59
		31 6 16	31 11 52
	SEPT.	29 19 0	29 22 53
	OCT.	29 7 44	29 9 33
	NOV.	27 20 28	27 20 15
	○	12 14 50	12 16 0
	DEC.	27 9 12	27 7 6
1164. E.D. 13 20 54	JAN.	25 21 56	25 18 11
	FEB.	24 10 41	24 5 38
	MAR.	24 23 25	24 17 42
	APRIL	23 12 9	23 6 45
	MAY	23 0 53	22 20 58
	○	6 19 15	6 22 34
	JUNE	21 13 37	21 12 5
	JULY	21 2 21	21 3 34
	AUG.	19 15 5	19 18 46
	SEPT.	18 8 49	18 9 12
	OCT.	17 16 33	17 22 39
	NOV.	16 5 17	16 11 10
	○	30 23 39	30 15 38
	DEC.	15 18 1	15 22 50
1165. C. 14 2 43	JAN.	14 6 45	14 9 43
	FEB.	12 19 29	12 19 54
	MAR.	14 8 14	14 5 38
	APRIL	12 20 58	12 15 26
	MAY	12 9 42	12 2 4
	○	27 4 4	27 14 10
	JUNE	10 22 26	10 14 11
	JULY	10 11 10	10 4 9
	AUG.	8 23 54	8 19 47
	SEPT.	7 12 38	7 12 23
	OCT.	7 1 22	7 5 8
	NOV.	5 14 6	5 21 7
	○	20 8 28	19 21 3
	DEC.	5 2 50	5 11 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1166.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 14 8 32	JAN.	3 15 34	4 0 45
	FEB.	2 4 18	2 12 0
	MAR.	3 17 2	3 21 40
	APRIL	2 5 46	2 6 14
	MAY	1 18 30	1 14 21
		31 7 14	30 22 57
	JUNE	29 19 58	29 9 5
	JULY	29 8 42	28 21 29
	AUG.	27 21 26	27 12 27
	SEPT.	26 10 10	26 5 35
	OCT.	25 22 54	25 23 54
	NOV.	24 11 38	24 18 3
	DEC.	24 0 22	24 10 47
1167. A. 14 14 21	JAN.	22 13 6	23 1 18
	FEB.	21 1 50	21 13 17
	MAR.	22 14 35	22 22 58
	○	6 8 57	6 10 8
	APRIL	21 3 19	21 6 56
	MAY	20 16 3	20 14 2
	JUNE	19 4 47	18 21 18
	JULY	18 17 31	18 5 53
	AUG.	17 6 15	16 16 47
	SEPT.	15 18 59	15 6 36
	○	30 13 21	30 15 15
	OCT.	15 7 43	14 23 20
	NOV.	13 20 27	13 18 7
	DEC.	13 9 11	13 13 33
1168. G.F. 13 20 10	JAN.	11 21 55	12 7 56
	FEB.	10 10 39	10 23 57
	MAR.	10 23 23	11 13 1
	○	25 17 45	25 12 40
	APRIL	9 12 7	9 23 13
	MAY	9 0 51	9 7 15
	JUNE	7 13 35	7 14 4
	JULY	7 2 19	6 20 46
	AUG.	5 15 3	5 4 30
	SEPT.	4 3 47	3 14 15
	○	18 22 9	19 3 47
	OCT.	3 16 31	3 2 49
	NOV.	2 5 15	1 13 27
	DEC.	1 17 59	1 12 38
		31 6 43	31 8 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1169. E.		d. h. m.	d. h. m.
March. d. h. m. 14 1 58	JAN.	29 19 27	30 8 12
	FEB.	28 8 12	28 20 25
	○ MAR.	15 2 34	14 22 11
		29 20 56	30 10 43
	APRIL	28 9 40	28 22 0
	MAY	27 22 24	28 6 57
	JUNE	26 11 8	26 14 5
	JULY	25 23 52	25 20 58
	AUG.	24 12 36	24 4 32
	○ SEPT.	8 6 58	8 9 28
		23 1 20	22 13 45
	OCT.	22 14 4	22 1 17
	NOV.	21 2 48	20 15 29
	DEC.	20 15 32	20 8 11
1170. D. 14 7 47	JAN.	19 4 17	19 2 31
	FEB.	17 17 1	17 21 12
	MAR.	19 5 45	19 14 48
	APRIL	17 18 29	18 6 11
	MAY	17 7 13	17 18 54
	JUNE	15 19 57	16 5 7
	JULY	15 8 41	15 13 37
	AUG.	13 21 25	13 21 26
	SEPT.	12 10 9	12 5 33
	OCT.	11 22 53	11 14 48
	NOV.	10 11 37	10 1 42
	DEC.	10 0 21	9 14 32
1171. C. 14 13 36	JAN.	8 13 5	8 5 17
	○	23 7 27	23 18 29
	FEB.	7 1 49	6 21 34
	MAR.	8 14 33	8 14 41
	APRIL	7 8 17	7 7 42
	MAY	6 16 1	6 23 39
	JUNE	5 4 45	5 13 48
	JULY	4 17 29	5 1 54
	○	19 11 51	18 23 40
	AUG.	3 6 13	3 12 18
	SEPT.	1 18 57	1 21 45
	OCT.	1 7 41	1 7 3
		30 20 25	30 16 51
	NOV.	29 9 9	29 3 31
	DEC.	28 21 53	28 15 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1172. B.A.		d. h. m.	d. h. m.
March. d. h. m. 13 19 25	○ JAN.	12 16 16	13 3 45
		27 10 38	27 3 59
	FEB.	25 23 22	25 17 48
	MAR.	26 12 6	26 8 37
	APRIL	25 0 50	25 0 9
	MAY	24 13 34	24 15 49
	JUNE	23 2 18	23 6 57
	○ JULY	7 20 40	7 12 39
		22 15 2	22 20 59
	AUG.	21 8 46	21 9 45
	SEPT.	19 16 30	19 21 26
	OCT.	19 5 14	19 8 30
	NOV.	17 17 58	17 19 18
	DEC.	17 6 42	17 6 8
1173. G. 14 1 14	○ JAN.	1 1 4	1 5 44
		15 19 26	15 17 11
	FEB.	14 8 11	14 4 3
	MAR.	15 20 55	15 15 28
	APRIL	14 9 39	14 3 42
	MAY	13 22 23	13 17 6
	JUNE	12 11 7	12 7 40
	○ JULY	27 5 29	27 5 38
		11 23 51	11 23 4
	AUG.	10 12 35	10 14 39
	SEPT.	9 1 19	9 5 47
	OCT.	8 14 3	8 20 2
	NOV.	7 2 47	7 9 17
	DEC.	6 15 31	6 21 32
1174. F. 14 7 3	JAN.	5 4 15	5 8 50
	FEB.	3 16 59	3 19 15
	MAR.	5 5 43	5 4 56
	APRIL	3 18 27	3 14 21
	MAY	3 7 11	3 0 12
	○ JUNE	18 1 33	18 13 3
		1 19 55	1 11 20
	JULY	1 8 39	1 0 14
		30 21 23	30 15 6
	AUG.	29 10 7	29 7 28
	SEPT.	27 22 51	28 0 30
	OCT.	27 11 35	27 17 15
	○ NOV.	11 5 57	10 18 33
		26 0 19	26 8 52
	DEC.	25 13 3	25 22 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1175. E. March. d. h. m. 14 12 51		d. h. m.	d. h. m.
	JAN.	24 1 48	24 10 57
	FEB.	22 14 32	22 21 15
	MAR.	24 3 16	24 6 7
	APRIL	22 16 0	22 14 8
	○	7 10 22	7 20 27
	MAY	22 4 44	21 22 10
	JUNE	20 17 28	20 7 17
	JULY	20 6 12	19 18 25
	AUG.	18 18 56	18 8 9
	SEPT.	17 7 40	17 0 24
	OCT.	16 20 24	16 18 27
	○	31 14 46	31 8 27
	NOV.	15 9 8	15 13 4
	DEC.	14 21 52	15 6 49
1176. D.C. 13 18 40	JAN.	13 10 37	13 22 36
	FEB.	11 23 21	12 11 49
	MAR.	12 12 5	12 22 28
	APRIL	11 0 49	11 7 8
	○	25 19 11	25 21 41
	MAY	10 13 33	10 14 18
	JUNE	9 2 17	8 21 17
	JULY	8 15 1	8 5 2
	AUG.	7 3 45	6 14 39
	SEPT.	5 16 29	5 3 1
	OCT.	5 5 13	4 18 25
	○	19 23 35	20 0 29
	NOV.	3 17 57	3 12 27
	DEC.	3 6 41	3 7 51
1177. B. 14 0 29	JAN.	1 19 25	2 2 59
		31 8 9	31 20 19
	FEB.	...	...
	MAR.	1 20 53	2 10 50
		31 9 37	31 22 20
	APRIL	29 22 21	30 7 14
	MAY	29 11 5	29 14 28
	JUNE	27 23 49	27 21 5
	JULY	27 12 33	27 4 14
	AUG.	26 1 17	25 12 54
	SEPT.	24 14 1	24 0 5
	OCT.	24 2 45	23 14 16
	NOV.	22 15 29	22 7 18
	DEC.	22 4 13	22 2 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1178. A. March. d. h. m. 14 6 18		d. h. m.	d. h. m.
	JAN.	20 16 58	20 21 44
	FEB.	19 5 42	19 15 57
	○	6 0 4	5 21 2
	MAR.	20 18 26	21 7 41
	APRIL	19 7 10	19 20 24
	MAY	18 19 54	19 6 18
	JUNE	17 8 38	17 14 14
	JULY	16 21 22	16 21 16
	AUG.	15 10 6	15 4 30
	○	30 4 28	30 4 55
	SEPT.	13 22 50	13 12 55
	OCT.	13 11 34	12 23 20
	NOV.	12 0 18	11 12 15
	DEC.	11 13 2	11 3 43
1179. G. 14 12 7	JAN.	10 1 46	9 21 14
	FEB.	8 14 30	8 15 43
	○	23 8 52	23 12 48
	MAR.	10 3 14	10 9 50
	APRIL	8 15 58	9 2 19
	MAY	8 4 42	8 16 21
	JUNE	6 17 26	7 3 47
	JULY	6 6 10	6 13 9
	AUG.	4 18 54	4 21 21
	○	19 13 16	19 5 5
	SEPT.	3 7 38	3 5 23
	OCT.	2 20 22	2 14 11
	NOV.	1 9 6	1 0 20
		30 21 50	30 12 13
	DEC.	30 10 34	30 1 55
1180. F.E. 13 17 56	JAN.	28 23 18	28 17 17
	○	12 17 40	13 4 28
	FEB.	27 12 2	27 9 49
	MAR.	28 0 47	28 2 48
	APRIL	26 13 31	26 19 15
	MAY	26 2 15	26 10 18
	JUNE	24 14 59	24 23 29
	JULY	24 3 43	24 10 52
	○	7 22 5	7 9 3
	AUG.	22 16 27	22 20 55
	SEPT.	21 5 11	21 6 28
	OCT.	20 17 55	20 16 9
	NOV.	19 6 39	19 2 30
	DEC.	18 19 23	18 13 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1181. D. March. d. h. m. 13 23 44		d. h. m.	d. h. m.
	JAN.	17 8 8	17 1 47
	FEB.	15 20 52	15 14 49
	MAR.	17 9 36	17 4 50
	APRIL	15 22 20	15 19 48
	MAY	15 11 4	15 11 17
	JUNE	13 23 48	14 2 44
	JULY	13 12 32	13 17 28
	AUG.	12 1 16	12 7 6
	SEPT.	10 14 0	10 19 34
	OCT.	10 2 44	10 7 9
	NOV.	8 15 28	8 18 16
	DEC.	8 4 12	8 5 13
	○	22 22 34	22 23 58
1182. C. 14 5 33	JAN.	6 16 56	6 16 8
	FEB.	5 5 40	5 2 48
	MAR.	6 18 24	6 13 42
	APRIL	5 7 8	5 1 10
	MAY	4 19 52	4 13 41
	JUNE	3 8 36	3 3 30
	○	18 2 58	18 5 59
	JULY	2 21 20	2 18 31
	AUG.	1 10 4	1 10 12
		30 22 48	31 1 51
	SEPT.	29 11 32	29 16 54
	OCT.	29 0 16	29 6 57
	NOV.	27 13 0	27 19 54
	○	12 7 22	11 23 46
	DEC.	27 1 44	27 7 45
1183. B. 14 11 22	JAN.	25 14 29	25 18 33
	FEB.	24 3 13	24 4 23
	MAR.	25 15 57	25 13 38
	APRIL	24 4 41	23 22 55
	MAY	23 17 25	23 9 4
	○	7 11 47	7 21 21
	JUNE	22 6 9	21 20 53
	JULY	21 18 53	21 10 46
	AUG.	20 7 37	20 2 34
	SEPT.	18 20 21	18 19 35
	OCT.	18 9 5	18 12 51
	NOV.	16 21 49	17 5 22
	○	1 16 11	1 5 35
	DEC.	16 10 33	16 20 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1184. A.G. March. d. h. m. 13 17 11		d. h. m.	d. h. m.
	JAN.	14 23 18	15 9 30
	FEB.	13 12 2	13 20 35
	MAR.	14 0 46	14 5 57
	APRIL	12 13 30	12 14 5
	MAY	12 2 14	11 21 49
	JUNE	10 14 58	10 6 8
	JULY	10 3 42	9 16 4
	AUG.	8 16 26	8 4 26
	SEPT.	7 5 10	6 19 34
	OCT.	6 17 54	6 13 0
	NOV.	5 6 38	5 7 41
	DEC.	4 19 22	5 2 12
1185. F. 13 23 0	JAN.	3 8 6	3 19 11
	FEB.	1 20 50	2 9 42
	MAR.	3 9 34	3 21 31
	APRIL	1 22 18	2 6 55
	○	16 16 40	16 16 59
	MAY	1 11 2	1 14 35
		30 23 46	30 21 28
	JUNE	29 12 30	29 4 38
	JULY	29 1 14	28 13 12
	AUG.	27 13 58	27 0 9
	SEPT.	26 2 42	25 14 8
	○	10 21 4	10 23 33
	OCT.	25 15 26	25 7 2
	NOV.	24 4 10	24 2 1
	DEC.	23 16 54	23 21 32
1186. E. 14 4 49	JAN.	22 5 39	22 15 58
	FEB.	20 18 23	21 7 56
	MAR.	22 7 7	22 20 50
	○	6 1 29	5 19 59
	APRIL	20 19 51	21 6 51
	MAY	20 8 35	20 18 45
	JUNE	18 21 19	18 21 31
	JULY	18 10 3	18 4 17
	AUG.	16 22 47	16 12 9
	SEPT.	15 11 31	14 23 5
	○	30 5 53	30 11 21
	OCT.	15 0 15	14 10 48
	NOV.	13 12 59	13 2 31
	DEC.	13 1 43	12 20 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1187. D. March. *d. h. m.* 14 10 37	JAN.	11 14 28	11 16 1
	FEB.	10 8 12	10 10 56
	MAR.	11 15 56	12 8 55
	○	26 10 18	26 6 8
	APRIL	10 4 40	10 18 5
	MAY	9 17 24	10 5 17
	JUNE	8 6 8	8 14 6
	JULY	7 18 52	7 21 31
	AUG.	6 7 36	6 4 38
	SEPT.	4 20 20	4 12 30
	○	19 14 42	19 16 47
	OCT.	4 9 4	3 21 59
	NOV.	2 21 48	2 9 41
	DEC.	2 10 32	1 23 54
		31 23 16	31 16 23
1188. C.B. 13 16 26	JAN.	30 12 0	30 10 20
	FEB.	29 0 44	29 4 37
	MAR.	29 13 28	29 21 54
	APRIL	28 2 12	28 13 8
	MAY	27 14 56	28 1 51
	JUNE	26 8 40	26 12 14
	JULY	25 16 24	25 21 3
	AUG.	24 5 8	24 5 16
	SEPT.	22 17 52	22 13 47
	OCT.	22 6 36	21 23 21
	NOV.	20 19 20	20 10 26
	DEC.	20 8 4	19 23 11
1189. A. 13 22 15	JAN.	18 20 49	18 13 36
	○	2 15 11	3 3 1
	FEB.	17 9 33	17 5 21
	MAR.	18 22 17	18 21 57
	APRIL	17 11 1	17 14 32
	MAY	16 23 45	17 6 17
	JUNE	15 12 29	15 20 29
	JULY	15 1 13	15 8 53
	○	29 19 35	29 6 50
	AUG.	13 13 57	13 19 44
	SEPT.	12 2 41	12 5 41
	OCT.	11 15 25	11 15 30
	NOV.	10 4 9	10 1 39
	DEC.	9 16 53	9 12 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1190. G. March. *d. h. m.* 14 4 4	JAN.	8 5 37	8 0 0
	○	22 23 59	23 11 56
	FEB.	6 18 21	6 12 20
	MAR.	8 7 6	8 1 35
	APRIL	6 19 50	6 15 48
	MAY	6 8 34	6 6 50
	JUNE	4 21 18	4 22 17
	JULY	4 10 2	4 13 30
	○	19 4 24	18 20 6
	AUG.	2 22 46	3 3 53
	SEPT.	1 11 30	1 17 12
	OCT.	1 0 14	1 5 29
		30 12 58	30 17 3
	NOV.	29 1 42	29 4 13
	DEC.	28 14 26	28 15 7
1191. F. 14 9 53	○	12 8 48	12 13 39
	JAN.	27 3 10	27 1 48
	FEB.	25 15 54	25 12 21
	MAR.	27 4 38	26 23 11
	APRIL	25 17 22	25 10 51
	MAY	25 6 6	24 23 47
	JUNE	23 18 50	23 14 7
	○	8 13 12	8 13 6
	JULY	23 7 34	23 5 35
	AUG.	21 20 18	21 21 32
	SEPT.	20 9 2	20 13 15
	OCT.	19 21 46	20 4 7
	NOV.	18 10 30	18 17 51
	DEC.	17 23 14	18 6 24
1192. E.D. 13 15 42	JAN.	16 11 59	16 17 43
	FEB.	15 0 43	15 3 52
	MAR.	15 13 27	15 13 7
	APRIL	14 2 11	13 22 2
	MAY	13 14 55	13 7 26
	○	28 9 17	28 20 10
	JUNE	12 3 39	11 18 10
	JULY	11 16 23	11 6 56
	AUG.	10 5 7	9 21 51
	SEPT.	8 17 51	8 14 31
	OCT.	8 6 35	8 8 2
	NOV.	6 19 19	7 1 18
	○	21 13 41	21 3 11
	DEC.	6 8 3	6 17 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1193.		d. h. m.	d. h. m.
C.	JAN. .	4 20 48	5 7 32
March.	FEB. .	3 9 32	3 19 35
d. h. m.	MAR. .	4 22 16	5 5 36
13 21 30	APRIL	3 11 0	3 14 6
	MAY .	2 23 44	2 21 44
	○	17 18 6	18 8 10
	JUNE .	1 12 28	1 5 28
	JULY .	1 1 12	30 14 23
		30 18 56	30 1 26
	AUG. .	29 2 40	28 15 14
	SEPT. .	27 15 24	27 7 44
	OCT. .	27 4 8	27 2 7
	○	10 22 30	10 17 15
	NOV. .	25 16 52	25 21 4
	DEC. .	25 5 36	25 15 5
1194.	JAN. .	23 18 20	24 6 56
B.	FEB. .	22 7 4	22 20 4
14 3 19	MAR. .	23 19 48	24 6 29
	APRIL	22 8 32	22 14 36
	○	7 2 54	7 4 17
	MAY .	21 21 16	21 21 50
	JUNE .	20 10 0	20 4 39
	JULY .	19 22 44	19 12 22
	AUG. .	18 11 28	17 22 8
	SEPT. .	17 0 12	16 10 32
	OCT. .	16 12 56	16 2 6
	○	31 7 18	31 9 7
	NOV. .	15 1 40	14 20 17
	DEC. .	14 14 24	14 15 47
1195.	JAN. .	13 3 9	13 11 0
A.	FEB. .	11 15 53	12 4 16
14 9 8	MAR. .	13 4 37	13 18 40
	APRIL	11 17 21	12 5 59
	MAY .	11 6 5	11 14 45
	JUNE .	9 18 49	9 21 56
	JULY .	9 7 33	9 4 33
	AUG. .	7 20 17	7 11 51
	SEPT. .	6 9 1	5 20 43
	OCT. .	5 21 45	5 8 5
	NOV. .	4 10 29	3 22 23
	DEC. .	3 23 13	3 15 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1196.		d. h. m.	d. h. m.
G.F.	JAN. .	2 11 57	2 10 16
	FEB. .	1 0 41	1 5 28
March.		1 13 25	1 23 29
d. h. m.	MAR. ○	16 7 47	16 5 7
13 14 57		31 2 9	31 15 1
	APRIL	29 14 53	30 3 38
	MAY .	29 3 37	29 13 32
	JUNE .	27 16 21	27 21 36
	JULY .	27 5 5	27 4 50
	AUG. .	25 17 49	25 12 21
	○	9 12 11	9 12 1
	SEPT. .	24 6 33	23 21 6
	OCT. .	23 19 17	23 7 44
	NOV. .	22 8 1	21 20 48
	DEC. .	21 20 45	21 12 3
1197.	JAN. .	20 9 30	20 5 14
E.	FEB. .	18 22 14	18 23 18
	○	5 16 36	5 21 12
13 20 46	MAR. .	20 10 58	20 17 1
	APRIL	18 23 42	19 9 16
	MAY .	18 12 26	18 23 14
	JUNE .	17 1 10	17 10 48
	JULY .	16 13 54	16 20 27
	AUG. .	15 2 38	15 5 1
	○	29 21 0	29 12 5
	SEPT. .	13 15 22	13 13 29
	OCT. .	13 4 6	12 22 40
	NOV. .	11 16 50	11 9 4
	DEC. .	11 5 34	10 20 58
1198.	JAN. .	9 18 19	9 10 27
D.	FEB. .	8 7 3	8 1 20
	○	28 1 25	28 12 51
14 2 35	MAR. .	9 19 47	9 17 18
	APRIL	8 8 31	8 9 45
	MAY .	7 21 15	8 1 53
	JUNE .	6 9 59	6 16 54
	JULY .	5 22 43	6 6 18
	AUG. .	4 11 27	4 18 6
	○	19 5 49	18 16 18
	SEPT. .	3 0 11	3 4 41
	OCT. .	2 12 55	2 14 44
	NOV. .	1 1 39	1 0 52
		30 14 23	30 11 27
	DEC. .	30 3 7	29 22 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1199. C. March. d. h. m. 14 8 23		d. h. m.	d. h. m.	A.D. 1202. F. March. d. h. m. 14 1 50		d. h. m.	d. h. m.
	JAN. .	28 15 51	28 10 22		JAN. .	25 7 1	25 18 6
	FEB. .	27 4 35	26 22 50		FEB. .	23 19 45	24 5 0
	MAR. .	28 17 19	28 12 14		MAR. .	25 8 29	25 14 2
	APRIL	27 6 8	27 2 38		APRIL	23 21 13	23 21 49
	MAY .	26 18 47	26 17 47		MAY .	23 9 57	23 5 14
	JUNE .	25 7 31	25 9 11		JUNE .	21 22 41	21 13 19
	JULY .	24 20 15	25 0 10		JULY .	21 11 25	20 23 7
	AUG. .	23 8 59	23 14 17		AUG. .	20 0 9	19 11 32
	SEPT. .	21 21 43	22 8 21		SEPT. .	18 12 53	18 2 50
	OCT. .	21 10 27	21 15 32		OCT. .	18 1 37	17 20 32
	NOV. .	19 23 11	20 8 6		NOV. .	16 14 21	16 15 33
	DEC. .	19 11 55	19 14 11		DEC. .	16 3 5	16 10 20
1200. B.A. 13.14 12	○	3 6 18	3 7 54	1203. E. 14 7 39	JAN. .	14 15 50	15 8 28
	JAN. .	18 0 40	18 0 55		FEB. .	13 4 34	13 17 58
	FEB. .	16 13 24	16 11 18		MAR. .	14 17 18	15 5 36
	MAR. .	17 2 8	16 21 40		APRIL	13 6 2	13 14 45
	APRIL	15 14 52	15 8 34		○	28 0 24	27 23 44
	MAY .	15 3 36	14 20 34		MAY .	12 18 46	12 22 12
	JUNE .	13 16 20	13 10 4		JUNE .	11 7 30	11 4 56
	○	28 10 42	28 13 26		JULY .	10 20 14	10 12 2
	JULY .	13 5 4	13 1 1		AUG. .	9 8 58	8 20 38
	AUG. .	11 17 48	11 16 56		SEPT. .	7 21 42	7 7 41
	SEPT. .	10 6 32	10 9 5		OCT. .	7 10 26	6 21 49
	OCT. .	9 19 16	10 0 43		○	22 4 48	22 8 3
	NOV. .	8 8 0	8 15 20		NOV. .	5 23 10	5 14 52
	DEC. .	7 20 44	8 4 40		DEC. .	5 11 54	5 9 57
	○	22 15 6	22 7 57				
1201. G. 13 20 1	JAN. .	6 9 29	6 16 38	1204. D.C. 13 13 28	JAN. .	4 0 30	4 5 32
	FEB. .	4 22 13	5 3 16		FEB. .	2 13 23	2 23 55
	MAR. .	6 10 57	6 12 43		MAR. .	3 2 7	3 15 45
	APRIL	4 23 41	4 21 30		APRIL	1 14 51	2 4 29
	MAY .	4 12 25	4 6 19		○	16 9 13	16 3 12
	JUNE .	3 1 9	2 16 6		MAY .	1 3 35	1 14 22
	○	17 19 31	18 4 31			30 16 19	30 22 11
	JULY .	2 13 53	2 3 39		JUNE .	29 5 3	29 4 59
	AUG. .	1 2 37	31 17 29		JULY .	28 17 47	28 11 53
		30 15 21	30 9 30		AUG. .	27 6 31	26 19 56
	SEPT. .	29 4 5	29 2 56		SEPT. .	25 19 15	25 6 5
	OCT. .	28 16 49	28 20 41		○	10 13 37	10 19 41
	NOV. .	27 5 33	27 13 41		OCT. .	25 7 59	24 18 57
	○	11 23 55	11 14 13		NOV. .	23 20 43	23 10 41
	DEC. .	26 18 17	27 4 59		DEC. .	23 9 27	23 4 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1205.		d. h. m.	d. h. m.
B. March. d. h. m. 13 19 16	JAN.	21 22 11	21 23 50
	FEB.	20 10 55	20 18 29
	MAR.	21 23 39	22 11 15
	○	5 18 1	5 13 49
	APRIL	20 12 23	21 1 27
	MAY	20 1 7	20 12 29
	JUNE	18 13 51	18 21 23
	JULY	18 2 35	18 4 59
	AUG.	16 15 19	16 12 23
	SEPT.	15 4 3	14 20 35
	○	29 22 25	30 0 11
	OCT.	14 16 47	14 6 22
	NOV.	13 5 31	12 18 13
	DEC.	12 18 15	12 8 21
1206. A. 14 1 5	JAN.	11 7 0	11 0 32
	FEB.	9 19 44	9 18 4
	MAR.	11 8 23	11 11 55
	APRIL	9 21 12	10 4 50
	MAY	9 9 56	9 19 57
	JUNE	7 22 40	8 8 45
	JULY	7 11 24	7 19 23
	AUG.	6 0 8	6 4 34
	SEPT.	4 12 52	4 13 12
	OCT.	4 1 36	3 22 9
	NOV.	2 14 20	2 8 4
	DEC.	2 3 4	1 19 15
		31 15 48	31 7 50
1207. G. 14 6 54	JAN.	30 4 32	29 21 49
	○	13 22 54	14 11 22
	FEB.	28 17 16	28 13 1
	MAR.	30 6 0	30 5 2
	APRIL	28 18 44	28 21 13
	MAY	28 7 28	28 12 49
	JUNE	26 20 12	27 3 8
	JULY	26 8 56	26 15 54
	○	10 3 18	9 14 6
	AUG.	24 21 40	25 3 16
	SEPT.	23 10 24	23 13 46
	OCT.	22 23 8	23 0 3
	NOV.	21 11 52	21 10 32
	DEC.	21 0 36	20 21 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1208.		d. h. m.	d. h. m.
F.E. March. d. h. m. 13 12 43	JAN.	19 13 21	19 8 45
	○	3 7 43	3 20 34
	FEB.	18 2 5	17 20 36
	MAR.	18 14 49	18 9 14
	APRIL	17 3 33	16 22 50
	MAY	16 16 17	16 13 26
	JUNE	15 5 1	15 4 42
	JULY	14 17 45	14 20 3
	○	29 12 7	29 3 37
	AUG.	13 6 29	13 10 51
	SEPT.	11 19 13	12 0 44
	OCT.	11 7 57	11 13 38
	NOV.	9 20 41	10 1 43
	DEC.	9 9 25	9 13 9
1209. D. 13 18 32	JAN.	7 22 9	8 0 4
	○	22 16 31	22 21 30
	FEB.	6 10 53	6 10 26
	MAR.	7 23 38	7 20 33
	APRIL	6 12 22	6 6 50
	MAY	6 1 6	5 17 56
	JUNE	4 13 50	4 6 28
	JULY	4 2 34	3 20 39
	○	18 20 56	18 20 38
	AUG.	2 15 18	2 12 14
	SEPT.	1 4 2	1 4 33
		30 16 46	30 20 48
	OCT.	30 5 30	30 12 17
	NOV.	28 18 14	29 2 30
	DEC.	28 6 58	28 15 15
1210. C. 14 0 21	JAN.	26 19 42	27 2 28
	FEB.	25 8 26	25 12 19
	MAR.	26 21 10	26 21 10
	APRIL	25 9 54	25 5 37
	MAY	24 22 38	24 14 35
	JUNE	23 11 22	23 1 2
	JULY	23 0 6	22 13 40
	AUG.	21 12 50	21 4 41
	SEPT.	20 1 34	19 21 41
	OCT.	19 14 18	19 15 39
	NOV.	18 3 2	18 9 24
	○	2 21 24	2 11 53
	DEC.	17 15 46	18 1 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 1211.		d. h. m.	d. h. m.
B. March. d. h. m. 14 6 9	JAN.	16 4 30	16 16 6
	FEB.	14 17 14	15 4 2
	MAR.	16 5 59	16 13 49
	APRIL	14 18 43	14 21 57
	MAY	14 7 27	14 5 17
	○	29 1 49	29 9 48
	JUNE	12 20 11	12 12 46
	JULY	12 8 55	11 21 32
	AUG.	10 21 39	10 8 38
	SEPT.	9 10 23	8 22 27
	OCT.	8 23 7	8 15 10
	NOV.	7 11 51	7 9 52
	○	22 6 13	22 2 8
	DEC.	7 0 35	7 5 5
1212. A.G. 13 11 58	JAN.	5 13 20	5 23 18
	FEB.	4 2 4	4 15 11
	MAR.	4 14 48	5 4 10
	APRIL	3 8 32	3 14 22
	MAY	2 16 16	2 22 26
	○	17 10 38	17 10 50
	JUNE	1 5 0	1 5 19
		30 17 44	30 12 4
	JULY	30 6 28	29 19 48
	AUG.	28 19 12	28 5 36
	SEPT.	27 7 56	26 18 14
	OCT.	26 20 40	26 9 57
	○	10 15 2	10 17 53
	NOV.	25 9 24	25 4 14
	DEC.	24 22 8	24 23 46
1213. F. 13 17 47	JAN.	23 10 52	23 18 54
	FEB.	21 23 36	22 12 4
	MAR.	23 12 20	24 2 18
	APRIL	22 1 4	22 13 29
	MAY	21 13 48	21 22 10
	JUNE	20 2 32	20 5 21
	JULY	19 15 16	19 12 6
	AUG.	18 4 0	17 19 33
	SEPT.	16 16 44	16 4 40
	OCT.	16 5 28	15 16 14
	NOV.	14 18 12	14 6 35
	DEC.	14 6 56	13 23 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1214.		d. h. m.	d. h. m.
E. March. d. h. m. 13 23 35	JAN.	12 19 41	12 18 12
	FEB.	11 8 25	11 13 8
	MAR.	12 21 9	13 6 51
	○	27 15 31	27 13 6
	APRIL	11 9 58	11 22 14
	MAY	10 22 37	11 10 46
	JUNE	9 11 21	9 20 45
	JULY	9 0 5	9 4 59
	AUG.	7 12 49	7 12 29
	SEPT.	6 1 33	5 20 22
	○	20 19 55	20 19 55
	OCT.	5 14 17	5 5 25
	NOV.	4 3 1	3 16 18
	DEC.	3 15 45	3 5 17
1215. D. 14 5 24	JAN.	2 4 30	1 20 24
		31 17 14	31 13 10
	FEB.	...	...
	MAR. ○	2 5 58	2 6 44
		17 0 20	17 5 25
		31 18 42	1 0 3
	APRIL	30 7 26	30 16 4
	MAY	29 20 10	30 6 2
	JUNE	28 8 54	28 17 48
	JULY	27 21 38	28 3 47
	AUG.	26 10 22	26 12 48
	○	10 4 44	9 19 12
	SEPT.	24 23 6	24 21 44
	OCT.	24 11 50	24 7 17
	NOV.	23 0 34	22 17 55
	DEC.	22 13 18	22 5 45
1216. C.B. 13 11 13	JAN.	21 2 2	20 18 53
	FEB.	19 14 46	19 9 15
	○	5 9 8	5 21 3
	MAR.	20 3 30	20 0 36
	APRIL	18 16 14	18 16 33
	MAY	18 4 58	18 8 24
	JUNE	16 17 42	16 23 26
	JULY	16 6 26	16 13 8
	AUG.	14 19 10	15 1 24
	○	29 13 32	28 23 41
	SEPT.	13 7 54	13 12 32
	OCT.	12 20 38	12 23 8
	NOV.	11 9 22	11 9 40
	DEC.	10 22 6	10 20 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1217.		d. h. m.	d. h. m.
A. March. d. h. m. 13 17 2	JAN.	9 10 51	9 7 26
	FEB.	7 23 35	7 18 49
	MAR.	9 12 19	9 6 44
	APRIL	8 1 8	7 19 32
	MAY	7 13 47	7 9 21
	JUNE	6 2 31	6 0 15
	JULY	5 15 15	5 15 39
	AUG.	4 8 59	4 6 57
	SEPT.	2 16 43	2 21 35
	OCT.	2 5 27 31 18 11	2 11 16
	NOV.	30 6 55	1 0 1 30 11 57
	DEC.	29 19 39	29 23 8
1218. G. 13 22 51	○ JAN.	13 14 2 28 8 24	13 15 49 28 9 41
	FEB.	26 21 8	26 19 41
	MAR.	28 9 52	28 5 32
	APRIL	26 22 36	26 15 53
	MAY	26 11 20	26 3 25
	JUNE	25 0 4	24 16 38
	○ JULY	9 18 26 24 12 48	9 20 53 24 7 36
	AUG.	23 1 32	22 23 48
	SEPT.	21 14 16	21 16 26
	OCT.	21 3 0	21 8 39
	NOV.	19 15 44	19 23 48
	DEC.	19 4 28	19 13 27
1219. F. 14 4 40	○ JAN.	2 22 50 17 17 12	2 16 7 18 1 25
	FEB.	16 5 56	16 11 50
	MAR.	17 18 40	17 20 55
	APRIL	16 7 24	16 5 16
	MAY	15 20 8	15 13 39
	JUNE	14 8 52	13 23 5
	○ JULY	29 3 14 13 21 36	29 11 39 13 10 29
	AUG.	12 10 20	12 0 20
	SEPT.	10 23 4	10 16 32
	OCT.	10 11 48	10 10 22
	NOV.	9 0 32	9 4 37
	DEC.	8 13 16	8 21 59
	○	23 7 38	22 22 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1220.		d. h. m.	d. h. m.
E.D. March. d. h. m. 13 10 28	JAN.	7 2 1	7 13 31
	FEB.	5 14 45	6 2 37
	MAR.	6 8 29	6 13 18
	APRIL	4 16 13	4 22 1
	MAY	4 4 57	4 5 28
	JUNE	2 17 41	2 12 37
	JULY	2 6 25 31 19 9	1 20 32 31 6 18
	AUG.	30 7 53	29 18 47
	SEPT.	28 20 37	28 10 14
	OCT.	28 9 21	28 4 13
	NOV.	26 22 5	26 23 29
	DEC.	26 10 49	26 18 28
1221. C. 13 16 17	JAN.	24 23 34	25 11 40
	FEB.	23 12 18	24 2 5
	MAR.	25 1 2	25 13 31
	APRIL	23 13 46	23 22 27
	MAY	23 2 30	23 5 43
	JUNE	21 15 14	21 12 21
	JULY	21 3 58	20 19 28
	AUG.	19 16 42	19 4 10
	SEPT.	18 5 26	17 15 24
	OCT.	17 18 10	17 5 39
	○ NOV.	1 12 32 16 6 54	1 16 40 15 22 49
	DEC.	15 19 38	15 17 57
1222. B. 13 22 6	JAN.	14 8 22	14 13 27
	FEB.	12 21 6	13 7 42
	MAR.	14 9 50	14 23 22
	APRIL	12 22 34	13 11 59
	○ MAY	27 16 56 12 11 18	27 10 20 12 21 47
	JUNE	11 0 2	11 5 35
	JULY	10 12 46	10 12 28
	AUG.	9 1 30	8 19 32
	SEPT.	7 14 14	7 3 50
	OCT.	7 2 58	6 14 12
	○ NOV.	21 21 20 5 15 42	22 3 46 5 3 13
	DEC.	5 4 26	4 18 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1223.		d. h. m.	d. h. m.
A. March. d. h. m. 14 8 55	JAN.	8 17 11	8 12 46
	FEB.	2 5 55	2 7 35
	MAR.	3 18 39	4 1 55
	APRIL	2 7 23	2 18 27
	○	17 1 45	16 21 29
	MAY	1 20 7	2 8 22
		31 8 51	31 19 35
	JUNE	29 21 35	30 4 40
	JULY	29 10 19	29 12 33
	AUG.	27 23 3	27 20 18
	SEPT.	26 11 47	26 4 51
	○	11 6 9	11 7 44
	OCT.	26 0 31	25 14 53
	NOV.	24 18 15	24 2 51
	DEC.	24 1 59	23 16 50
1224. G.F. 13 9 41	JAN.	22 14 43	22 8 39
	FEB.	21 3 27	21 1 41
	MAR.	21 16 11	21 19 2
	APRIL	20 4 55	20 11 39
	MAY	19 17 39	20 2 40
	JUNE	18 6 23	18 15 35
	JULY	17 19 7	18 2 33
	AUG.	16 7 51	16 12 10
	SEPT.	14 20 35	14 21 16
	OCT.	14 9 19	14 6 40
	NOV.	12 22 3	12 16 51
	DEC.	12 10 47	12 4 6
1225. E. 13 15 33	JAN.	10 23 32	10 16 29
	FEB.	9 12 16	9 6 0
	○	24 6 38	24 19 37
	MAR.	11 1 0	10 20 35
	APRIL	9 13 44	9 12 2
	MAY	9 2 28	9 3 50
	JUNE	7 15 12	7 19 18
	JULY	7 3 56	7 9 49
	AUG.	5 16 40	5 22 59
	○	20 11 2	19 21 32
	SEPT.	4 5 24	4 10 55
	OCT.	3 18 8	3 21 59
	NOV.	2 6 52	2 8 44
	DEC.	1 19 36	1 19 29
		31 8 20	31 6 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1226.		d. h. m.	d. h. m.
D. March. d. h. m. 13 21 21	JAN.	29 21 5	29 17 24
	○	13 15 27	14 3 57
	FEB.	28 9 49	28 4 45
	MAR.	29 22 33	29 16 47
	APRIL	28 11 17	28 5 48
	MAY	28 0 1	27 20 0
	JUNE	26 12 45	26 11 8
	JULY	26 1 29	26 2 40
	○	9 19 51	9 11 15
	AUG.	24 14 13	24 17 55
	SEPT.	23 2 57	23 8 24
	OCT.	22 15 41	22 21 55
	NOV.	21 4 25	21 10 27
	DEC.	20 17 9	20 22 6
1227. C. 14 3 10	JAN.	19 5 53	19 8 55
	○	3 0 15	3 5 15
	FEB.	17 18 37	17 19 0
	MAR.	19 7 21	19 4 37
	APRIL	17 20 5	17 14 20
	MAY	17 8 49	17 0 58
	JUNE	15 21 33	15 13 8
	JULY	15 10 17	15 3 12
	○	30 4 39	30 4 12
	AUG.	13 23 1	13 18 57
	SEPT.	12 11 45	12 11 40
	OCT.	12 0 29	12 4 29
	NOV.	10 13 13	10 20 31
	DEC.	10 1 57	10 11 8
1228. B.A. 13 8 59	JAN.	8 14 42	9 0 2
	FEB.	7 3 26	7 11 8
	MAR.	7 16 10	7 20 41
	APRIL	6 4 54	6 5 5
	MAY	5 17 38	5 13 8
	JUNE	4 6 22	3 21 45
	JULY	3 19 6	3 7 58
	AUG.	2 7 50	1 20 32
		31 20 34	31 11 41
	SEPT.	30 9 18	30 4 59
	OCT.	29 22 2	29 23 24
	NOV.	28 10 46	28 17 34
	○	18 5 8	12 20 33
	DEC.	27 23 30	28 10 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1229.		d. h. m.	d. h. m.
G. March. d. h. m. 18 14 48	JAN. .	26 12 15	27 0 37
	FEB. .	25 0 59	25 12 24
	MAR. .	26 13 43	26 21 58
	APRIL	25 2 27	25 5 48
	MAY .	24 15 11	24 12 46
	○	8 9 33	8 16 25
	JUNE .	23 8 55	22 20 4
	JULY .	22 16 39	22 4 45
	AUG. .	21 5 23	20 15 49
	SEPT. .	19 18 7	19 5 52
	OCT. .	19 6 51	18 22 48
	NOV. .	17 19 35	17 17 42
	○	2 13 57	2 11 4
	DEC. .	17 8 19	17 13 9
1230. F. 18 20 37	JAN. .	15 21 8	16 7 25
	FEB. .	14 9 47	14 23 16
	MAR. .	15 22 31	16 12 6
	APRIL	14 11 15	14 22 6
	MAY .	13 23 59	14 5 59
	○	28 18 21	28 17 19
	JUNE .	12 12 43	12 12 45
	JULY .	12 1 27	11 19 30
	AUG. .	10 14 11	10 8 21
	SEPT. .	9 2 55	8 13 18
	OCT. .	8 15 39	8 2 5
	NOV. .	7 4 23	6 17 54
	○	21 22 45	22 2 42
	DEC. .	6 17 7	6 12 13
1231. E. 14 2 26	JAN. .	5 5 52	5 7 43
	FEB. .	3 18 36	4 2 43
	MAR. .	5 7 20	5 19 42
	APRIL	3 20 4	4 9 47
	MAY .	3 8 48	3 20 52
	JUNE .	1 21 32	2 5 31
	JULY .	1 10 16	1 12 46
		30 23 0	30 19 43
	AUG. .	29 11 44	29 3 26
	SEPT. .	28 0 28	27 12 49
	OCT. .	27 13 12	27 0 32
	NOV. .	26 1 56	25 14 56
	DEC. .	25 14 40	25 7 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1232.		d. h. m.	d. h. m.
D.C. March. d. h. m. 13 8 14	JAN. .	24 3 25	24 2 4
	FEB. .	22 16 9	22 20 33
	MAR. .	23 4 53	23 14 3
	○	6 23 15	6 20 57
	APRIL	21 17 37	22 5 16
	MAY .	21 6 21	21 17 48
	JUNE .	19 19 5	20 3 55
	JULY .	19 7 49	19 12 24
	AUG. .	17 20 33	17 20 16
	SEPT. .	16 9 17	16 4 31
	○	1 3 39	1 2 37
	OCT. .	15 22 1	15 13 55
	NOV. .	14 10 45	14 0 57
	DEC. .	13 23 29	13 13 54
1233. B. 13 14 8	JAN. .	12 12 13	12 4 43
	FEB. .	11 0 57	10 20 58
	MAR. .	12 13 41	12 14 2
	○	27 8 8	27 13 29
	APRIL	11 2 25	11 6 56
	MAY .	10 15 9	10 22 44
	JUNE .	9 3 53	9 12 46
	JULY .	8 16 37	9 0 47
	AUG. .	7 5 21	7 11 11
	SEPT. .	5 18 5	5 20 41
	○	20 12 27	20 2 28
	OCT. .	5 6 49	5 6 6
	NOV. .	3 19 33	3 16 2
	DEC. .	3 8 17	3 2 47
1234. A. 13 19 52	JAN. .	1 21 2	1 14 32
		31 9 46	31 3 17
	FEB. .	...	...
	MAR. ○	1 22 30	1 17 3
		16 16 52	17 5 7
		31 11 14	31 7 49
	APRIL	29 23 58	29 23 16
	MAY .	29 12 42	29 14 54
	JUNE .	28 1 26	28 5 59
	JULY .	27 14 10	27 20 1
	AUG. .	26 2 54	26 8 47
	○	9 21 16	9 7 14
	SEPT. .	24 15 38	24 20 32
	OCT. .	24 4 22	24 7 40
	NOV. .	22 17 6	22 18 32
	DEC. .	22 5 50	22 5 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1235.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 14 1 41	JAN.	20 18 35	20 16 15
	FEB.	19 7 19	19 3 12
	MAR.	20 20 8	20 14 32
	APRIL	19 8 47	19 2 44
	MAY	18 21 31	18 16 7
	JUNE	17 10 15	17 6 43
	JULY	16 22 59	16 22 9
	AUG.	15 11 43	15 13 48
	SEPT.	14 0 27	14 4 59
	OCT.	13 13 11	13 19 18
	NOV.	12 1 55	12 8 35
	DEC.	11 14 39	11 20 49
1236. F.E. 13 7 30	JAN.	10 8 23	10 8 8
	○	24 21 45	24 23 37
	FEB.	8 16 7	8 18 22
	MAR.	9 4 51	9 3 57
	APRIL	7 17 35	7 13 17
	MAY	7 6 19	6 23 6
	JUNE	5 19 3	5 10 14
	JULY	5 7 47	4 23 15
	○	20 2 9	20 4 22
	AUG.	3 20 31	3 14 15
	SEPT.	2 9 15	2 6 44
	OCT.	1 21 59	1 23 52
		31 10 43	31 16 40
	NOV.	29 23 27	30 3 16
	DEC.	29 12 11	29 22 9
1237. D. 13 13 19	○	13 6 33	13 0 16
	JAN.	28 0 56	28 10 9
	FEB.	26 13 40	26 20 18
	MAR.	28 2 24	28 5 1
	APRIL	26 15 8	26 12 56
	MAY	26 3 52	25 20 57
	JUNE	24 16 36	24 6 7
	○	9 10 58	9 18 49
	JULY	24 5 20	23 17 24
	AUG.	22 18 4	22 7 18
	SEPT.	21 6 48	20 23 45
	OCT.	20 19 32	20 17 56
	NOV.	19 8 16	19 12 36
	DEC.	18 21 0	19 6 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1238.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 13 19 7	○	2 15 22	2 7 30
	JAN.	17 9 44	17 21 57
	FEB.	15 22 28	16 10 59
	MAR.	17 11 12	17 21 27
	APRIL	15 23 56	16 5 51
	MAY	15 12 40	15 13 1
	JUNE	14 1 24	13 19 58
	○	28 19 46	29 2 38
	JULY	13 14 8	13 3 48
	AUG.	12 2 52	11 13 36
	SEPT.	10 15 36	10 2 10
	OCT.	10 4 20	9 17 47
	NOV.	8 17 4	8 11 59
	DEC.	8 5 48	8 7 27
1239. B. 14 0 56	JAN.	6 18 33	7 2 33
	FEB.	5 7 17	5 19 43
	MAR.	6 20 1	7 10 1
	APRIL	5 8 45	5 21 17
	MAY	4 21 29	5 6 1
	JUNE	3 10 13	3 13 10
	JULY	2 22 57	2 19 48
	AUG.	1 11 41	1 3 0
		31 0 25	30 11 52
	SEPT.	29 13 9	28 23 15
	OCT.	29 1 53	28 13 39
	○	12 20 15	13 1 20
	NOV.	27 14 37	27 6 51
	DEC.	27 3 21	27 1 54
1240. A.G. 13 6 45	JAN.	25 16 5	25 21 17
	FEB.	24 4 49	24 15 19
	MAR.	24 17 34	25 6 50
	APRIL	23 6 18	23 19 21
	○	8 0 40	7 17 24
	MAY	22 19 2	23 5 5
	JUNE	21 7 46	21 12 56
	JULY	20 20 30	20 20 0
	AUG.	19 9 14	19 3 20
	SEPT.	17 21 58	17 11 55
	OCT.	17 10 42	16 22 31
	○	1 5 4	1 11 58
	NOV.	15 23 26	15 11 37
	DEC.	15 12 10	15 3 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1241.		d. h. m.	d. h. m.
F. March. d. h. m. 13 12 34	JAN.	14 0 54	13 20 46
	FEB.	12 13 38	12 15 12
	MAR.	14 2 22	14 9 11
	APRIL	12 15 6	13 1 28
	○	27 9 28	27 5 2
	MAY	12 8 50	12 15 20
	JUNE	10 16 34	11 2 38
	JULY	10 5 18	10 11 56
	AUG.	8 18 2	8 20 9
	SEPT.	7 6 46	7 4 18
	OCT.	6 19 30	6 13 14
	○	21 13 52	21 15 24
	NOV.	5 8 14	4 23 32
	DEC.	4 20 58	4 11 33
1242. E. 13 18 23	JAN.	3 9 43	3 1 21
	FEB.	1 22 27	1 16 42
	MAR.	3 11 11	3 9 12
	APRIL	1 23 55	2 2 3
	MAY	1 12 39	1 18 22
		31 1 23	31 9 19
	JUNE	29 14 7	29 22 25
	JULY	29 2 51	29 9 46
	AUG.	27 15 35	27 19 52
	SEPT.	26 4 19	26 5 29
	OCT.	25 17 3	25 15 17
	NOV.	24 5 47	24 1 44
	DEC.	23 18 31	23 12 59
1243. D. 14 0 12	JAN.	22 7 16	22 1 5
	FEB.	20 20 0	20 14 4
	○	7 14 22	8 8 48
	MAR.	22 8 44	22 4 2
	APRIL	20 21 28	20 18 56
	MAY	20 10 12	20 10 22
	JUNE	18 22 56	19 1 47
	JULY	18 11 40	18 16 31
	AUG.	17 0 24	17 6 9
	○	31 18 46	31 5 6
	SEPT.	15 13 8	15 18 39
	OCT.	15 1 52	15 6 19
	NOV.	13 14 36	13 17 30
	DEC.	13 3 20	13 4 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1244.		d. h. m.	d. h. m.
C.B. March. d. h. m. 13 6 0	JAN.	11 16 4	11 15 16
	FEB.	10 4 48	10 1 57
	○	24 23 10	25 11 43
	MAR.	10 17 32	10 12 47
	APRIL	9 6 16	9 0 11
	MAY	8 19 0	8 12 42
	JUNE	7 7 44	7 2 32
	JULY	6 20 28	6 17 36
	AUG.	5 9 12	5 9 21
	○	20 3 34	19 19 0
	SEPT.	3 21 56	4 1 4
	OCT.	3 10 40	3 16 10
	NOV.	1 23 24	2 6 15
	DEC.	1 12 8	1 19 12
		31 0 52	31 7 0
1245. A. 13 11 49	JAN.	29 13 36	29 17 42
	○	13 7 58	13 12 51
	FEB.	28 2 21	28 3 26
	MAR.	29 15 5	29 12 34
	APRIL	28 3 49	27 21 47
	MAY	27 16 33	27 7 58
	JUNE	26 5 17	25 19 51
	JULY	25 18 1	25 9 51
	○	9 12 28	9 11 54
	AUG.	24 6 45	24 1 47
	SEPT.	22 19 29	22 18 55
	OCT.	22 8 13	22 12 17
	NOV.	20 20 57	21 4 49
	DEC.	20 9 41	20 19 46
1246. G. 13 17 38	JAN.	18 22 26	19 8 45
	FEB.	17 11 10	17 19 41
	MAR.	18 23 54	19 4 53
	APRIL	17 12 38	17 12 54
	MAY	17 1 22	16 20 34
	JUNE	15 14 6	15 4 55
	JULY	15 2 50	14 14 58
	AUG.	13 15 34	13 3 31
	SEPT.	12 4 18	11 18 50
	OCT.	11 17 2	11 12 27
	NOV.	10 5 46	10 7 14
	DEC.	9 18 30	10 1 45
	○	24 12 52	24 5 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1247.		d. h. m.	d. h. m.
F. March. d. h. m. 13 23 26	JAN.	8 7 14	8 18 36
	FEB.	6 19 58	7 8 58
	MAR.	8 8 42	8 20 36
	APRIL	6 21 26	7 5 47
	MAY	6 10 10	6 13 20
	JUNE	4 22 54	4 20 11
	○	19 17 16	19 22 57
	JULY	4 11 38	4 3 23
	AUG.	3 0 22	2 12 5
			31 23 14
	SEPT.	1 13 6	30 13 26
	OCT.	1 1 50	
		30 14 34	30 6 32
	NOV.	29 3 18	29 1 37
	○	13 21 40	13 20 1
	DEC.	28 16 2	28 21 9
1248. E.D. 13 5 15	JAN.	27 4 47	27 15 26
	FEB.	25 17 31	26 7 11
	MAR.	26 6 15	26 19 52
	APRIL	24 18 59	25 5 42
	MAY	24 7 43	24 13 27
	○	8 2 5	7 23 47
	JUNE	22 20 27	22 20 13
	JULY	22 9 11	22 3 2
	AUG.	20 21 55	20 11 2
	SEPT.	19 10 39	18 21 10
	OCT.	18 23 23	18 10 6
	NOV.	17 12 7	17 2 0
	○	2 6 29	2 11 34
	DEC.	17 0 51	16 20 15
1249. C. 13 11 4	JAN.	15 13 35	15 15 34
	FEB.	14 2 19	14 10 22
	MAR.	15 15 3	16 3 9
	APRIL	14 3 47	14 17 6
	MAY	13 16 31	14 4 7
	JUNE	12 5 15	12 12 49
	JULY	11 17 59	11 20 13
	AUG.	10 6 43	10 3 25
	SEPT.	8 19 27	8 11 26
	OCT.	8 8 11	7 21 4
	NOV.	6 20 55	6 8 58
	DEC.	6 9 39	5 23 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1250.		d. h. m.	d. h. m.
B. March. d. h. m. 13 16 53	JAN.	4 22 24	4 15 53
	FEB.	3 11 8	3 9 49
	MAR.	4 23 52	5 4 0
	APRIL	3 12 36	3 21 7
	○	18 6 58	18 4 40
	MAY	3 1 20	3 12 11
	JUNE	1 14 4	2 0 45
	JULY	1 2 48	1 11 4
		30 15 32	30 19 52
	AUG.	29 4 16	29 4 8
	SEPT.	27 17 0	27 12 46
	○	12 11 22	12 10 5
	OCT.	27 5 44	26 22 31
	NOV.	25 18 28	25 9 42
	DEC.	25 7 12	24 22 32
1251. A. 13 22 42	JAN.	23 19 56	23 12 57
	FEB.	22 8 41	22 4 42
	MAR.	23 21 25	23 21 13
	○	7 15 47	7 21 26
	APRIL	22 10 9	22 13 43
	MAY	21 22 53	22 5 21
	JUNE	20 11 37	20 19 28
	JULY	20 0 21	20 7 49
	AUG.	18 13 5	18 18 41
	SEPT.	17 1 49	17 4 42
	○	1 20 11	1 9 55
	OCT.	16 14 33	16 14 36
	NOV.	15 3 17	15 0 51
	DEC.	14 16 1	14 11 44
1252. G.F. 13 4 31	JAN.	13 4 45	12 23 16
	FEB.	11 17 29	11 11 34
	MAR.	12 6 13	12 0 45
	○	27 0 35	27 13 0
	APRIL	10 18 57	10 14 55
	MAY	10 7 41	10 5 54
	JUNE	8 20 25	8 21 20
	JULY	8 9 9	8 12 31
	AUG.	6 21 53	7 2 57
	SEPT.	5 10 37	5 16 17
	○	20 4 59	19 14 57
	OCT.	4 23 21	5 4 38
	NOV.	3 12 5	3 16 15
	DEC.	3 0 49	3 3 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1253. E.		d. h. m.	d. h. m.
	JAN.	1 13 33	1 14 21
		31 2 17	31 0 56
March. d. h. m. 13 10 19	FEB.	...	...
	MAR.	1 15 2	1 11 27
		31 8 46	30 22 12
	APRIL	29 16 30	29 9 49
	MAY	29 5 14	28 22 46
	JUNE	27 17 58	27 13 11
	JULY	27 6 42	27 4 44
	AUG.	25 19 26	25 20 44
	SEPT.	24 8 10	24 12 30
	OCT.	23 20 54	24 3 25
	NOV.	22 9 38	22 17 12
	DEC.	21 22 22	22 5 42
1254. D.	JAN.	20 11 7	20 16 55
	○	4 5 29	4 7 20
	FEB.	18 23 51	19 2 57
13 16 8	MAR.	20 12 35	20 12 4
	APRIL	19 1 19	18 20 55
	MAY	18 14 3	18 6 17
	JUNE	17 2 47	16 17 5
	JULY	16 15 31	16 5 56
	○	31 9 53	31 11 56
	AUG.	15 4 15	14 21 1
	SEPT.	13 16 59	13 13 50
	OCT.	13 5 43	13 7 27
	NOV.	11 18 27	12 0 46
	DEC.	11 7 11	11 16 46
1255. C.	JAN.	9 19 55	10 6 50
	○	21 14 17	24 8 22
	FEB.	8 8 39	8 18 43
13 21 57	MAR.	9 21 23	10 4 35
	APRIL	8 10 7	8 12 55
	MAY	7 22 51	7 20 29
	JUNE	6 11 35	6 4 13
	JULY	6 0 19	5 13 12
	○	20 18 41	21 2 0
	AUG.	4 13 3	4 0 25
	SEPT.	3 1 47	2 14 25
	OCT.	2 14 31	2 7 6
	NOV.	1 3 15	1 1 38
		30 15 59	30 20 38
	DEC.	30 4 43	30 14 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1256. B.A.		d. h. m.	d. h. m.
	○	13 23 6	13 16 8
	JAN.	28 17 28	29 6 13
March. d. h. m. 13 8 46	FEB.	27 6 12	27 19 12
	MAR.	27 18 56	28 5 26
	APRIL	26 7 40	26 13 34
	MAY	25 20 24	25 20 32
	JUNE	24 9 8	24 3 21
	○	9 8 30	9 9 19
	JULY	23 21 52	23 11 10
	AUG.	22 10 36	21 21 2
	SEPT.	20 23 20	20 9 44
	OCT.	20 12 4	20 1 33
	NOV.	19 0 48	18 19 52
	DEC.	18 13 32	18 15 29
1257. G.	JAN.	17 2 17	17 10 33
	FEB.	15 15 1	16 3 37
13 9 35	MAR.	17 8 45	17 17 48
	APRIL	15 16 29	16 4 54
	MAY	15 5 13	15 13 31
	JUNE	13 17 57	13 20 37
	JULY	13 6 41	13 3 17
	AUG.	11 19 25	11 10 40
	SEPT.	10 8 9	9 19 43
	OCT.	9 20 53	9 7 18
	NOV.	8 9 37	7 21 48
	○	23 3 59	23 10 5
	DEC.	7 22 21	7 14 57
1258. F.	JAN.	6 11 5	6 9 51
	FEB.	4 23 49	5 4 59
13 15 24	MAR.	6 12 33	6 22 49
	APRIL	5 1 17	5 14 10
	MAY	4 14 1	5 2 33
	○	19 8 23	19 0 25
	JUNE	3 2 45	3 12 20
	JULY	2 15 29	2 20 19
	AUG.	1 4 13	1 3 36
		30 16 57	30 11 14
	SEPT.	29 5 41	28 20 8
	OCT.	28 18 25	28 6 58
	○	12 12 47	12 20 13
	NOV.	27 7 9	26 20 6
	DEC.	26 19 53	26 11 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1259.		d. h. m.	d. h. m.
E. March. d. h. m. 13 21 12	JAN.	25 8 38	25 4 44
	FEB.	23 21 22	23 22 48
	MAR.	25 10 6	25 16 19
	APRIL	23 22 50	24 8 22
	○	8 17 12	8 12 32
	MAY	23 11 34	23 22 11
	JUNE	22 0 18	22 9 40
	JULY	21 13 2	21 19 16
	AUG.	20 1 46	20 8 52
	SEPT.	18 14 30	18 12 27
	OCT.	18 3 14	17 21 46
	○	1 21 36	1 23 10
	NOV.	16 15 58	16 8 19
	DEC.	16 4 42	15 20 17
1260. D.C. 13 3 1	JAN.	14 17 27	14 9 49
	FEB.	13 6 11	13 0 41
	MAR.	13 18 55	13 16 35
	APRIL	12 7 39	12 8 57
	MAY	11 20 23	12 0 59
	JUNE	10 9 7	10 15 55
	JULY	9 21 51	10 5 16
	AUG.	8 10 35	8 17 3
	SEPT.	6 23 19	7 3 41
	OCT.	6 12 3	6 13 49
	NOV.	5 0 47	5 0 3
	DEC.	4 13 31	4 10 41
1261. B. 13 8 50	JAN.	3 2 15	2 21 51
	FEB.	1 14 59	1 9 31
	MAR.	3 3 43	2 22 2
	○	17 22 5	18 11 37
	APRIL	1 16 27	1 11 22
	MAY	1 5 11	1 1 43
		30 17 55	30 16 50
	JUNE	29 6 39	29 8 13
	JULY	28 19 23	28 23 14
	AUG.	27 8 7	27 13 24
	○	11 2 29	10 12 49
	SEPT.	25 20 51	26 2 30
	OCT.	25 9 35	25 14 45
	NOV.	23 22 19	24 2 20
	DEC.	23 11 3	23 13 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1262.		d. h. m.	d. h. m.
A. March. d. h. m. 13 14 39	JAN.	21 23 48	22 0 6
	FEB.	20 12 32	20 10 24
	○	7 6 54	7 19 21
	MAR.	22 1 16	21 20 42
	APRIL	20 14 0	20 7 33
	MAY	20 2 44	19 19 33
	JUNE	18 15 28	18 9 5
	JULY	18 4 12	18 0 7
	AUG.	16 16 56	16 16 8
	○	31 11 18	31 2 53
	SEPT.	15 5 40	15 8 21
	OCT.	14 18 24	15 0 3
	NOV.	13 7 8	13 14 42
	DEC.	12 19 52	13 4 0
1263. G. 13 20 23	JAN.	11 8 36	11 15 53
	FEB.	9 21 20	10 2 22
	○	24 15 41	24 20 20
	MAR.	11 10 4	11 11 42
	APRIL	9 22 48	9 20 22
	MAY	9 11 32	9 5 8
	JUNE	8 0 16	7 14 56
	JULY	7 13 0	7 2 36
	AUG.	6 1 44	5 16 35
	○	20 20 6	20 19 40
	SEPT.	4 14 28	4 8 45
	OCT.	4 3 12	4 2 18
	NOV.	2 15 56	2 20 9
	DEC.	2 4 40	2 13 8
		...	...
1264. F.E. 13 2 17	JAN.	...	1 4 21
		30 6 8	30 17 19
	FEB.	28 18 52	29 4 2
	MAR.	29 7 37	29 12 56
	APRIL	27 20 21	27 20 36
	MAY	27 9 5	27 3 58
	JUNE	25 21 49	25 12 5
	JULY	25 10 33	24 22 2
	AUG.	23 23 17	23 10 33
	SEPT.	22 12 1	22 2 8
	OCT.	22 0 45	21 20 2
	NOV.	20 13 29	20 15 8
	DEC.	20 2 13	20 9 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1265. D.		d. h. m.	d. h. m.
	○	3 20 35	3 14 10
March. d. h. m. 18 8 5	JAN. .	18 14 57	19 2 53
	FEB. .	17 3 41	17 17 11
	MAR. .	18 16 26	19 4 37
	APRIL	17 5 10	17 18 35
	MAY .	16 17 54	16 20 54
	JUNE .	15 6 38	15 3 37
	○	30 1 0	30 5 31
	JULY .	14 19 22	14 10 47
	AUG. .	13 8 6	12 19 32
	SEPT. .	11 20 50	11 6 49
	OCT. .	11 9 34	10 21 9
	NOV. .	9 22 18	9 14 24
	DEC. .	9 11 2	9 9 35
	○	21 5 24	24 5 1
1266. C. 13 13 54	JAN. .	7 23 46	8 5 7
	FEB. .	6 12 30	6 23 20
	MAR. .	8 1 14	8 14 57
	APRIL	6 13 58	7 3 28
	MAY .	6 2 42	6 13 11
	JUNE .	4 15 26	4 20 53
	○	19 9 48	19 6 13
	JULY .	4 4 10	4 3 40
	AUG. .	2 16 54	2 10 37
	SEPT. .	1 5 38	31 18 50
		30 18 22	30 5 10
	OCT. .	30 7 6	29 18 15
	NOV. .	28 19 50	28 10 10
	○	13 14 12	13 20 27
	DEC. .	28 8 34	28 4 17
1267. B. 13 19 43	JAN. .	26 21 19	26 23 23
	FEB. .	25 10 3	25 17 54
	MAR. .	26 22 47	27 10 28
	APRIL	25 11 31	26 0 18
	MAY .	25 0 15	25 11 18
	○	8 18 37	8 9 42
	JUNE .	23 12 59	23 20 7
	JULY .	23 1 43	23 3 45
	AUG. .	21 14 27	21 11 14
	SEPT. .	20 3 11	19 19 35
	OCT. .	19 15 55	19 5 30
	NOV. .	18 4 39	17 17 31
	DEC. .	17 17 23	17 7 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1268. A.G.		d. h. m.	d. h. m.
March. d. h. m. 18 1 32	JAN. .	16 6 8	16 0 2
	FEB. .	14 18 52	14 17 32
	MAR. .	15 7 36	15 11 15
	APRIL	13 20 20	14 4 2
	○	28 14 42	28 12 19
	MAY .	13 9 4	13 18 59
	JUNE .	11 21 48	12 7 39
	JULY .	11 10 32	11 18 14
	AUG. .	9 23 16	10 3 25
	SEPT. .	8 12 0	8 12 8
	OCT. .	8 0 44	7 21 13
	○	22 19 6	22 17 42
	NOV. .	6 13 28	6 7 15
	DEC. .	6 2 12	5 18 32
1269. F. 13 7 21	JAN. .	4 14 56	4 7 10
	FEB. .	3 3 40	2 21 10
	MAR. .	4 16 24	4 12 19
	APRIL	3 5 8	3 4 15
	○	17 23 30	18 5 15
	MAY .	2 17 52	2 20 21
	JUNE .	1 6 36	1 11 52
		30 19 20	1 2 7
	JULY .	30 8 4	30 14 52
	AUG. .	28 20 48	29 2 16
	SEPT. .	27 9 32	27 12 50
	○	12 3 54	11 17 30
	OCT. .	26 22 16	26 23 12
	NOV. .	25 11 0	25 9 46
	DEC. .	24 23 44	24 20 40
1270. E. 13 13 10	JAN. .	23 12 29	23 7 58
	FEB. .	22 1 13	21 19 46
	MAR. .	23 13 57	23 8 21
	○	7 8 19	7 20 45
	APRIL	22 2 41	21 21 55
	MAY .	21 15 25	21 12 30
	JUNE .	20 4 9	20 3 45
	JULY .	19 16 53	19 19 8
	AUG. .	18 5 37	18 9 58
	SEPT. .	16 18 21	16 23 54
	○	1 12 43	30 22 51
	OCT. .	16 7 5	16 12 50
	NOV. .	14 19 49	15 0 58
	DEC. .	14 8 33	14 12 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1271.		d. h. m.	d. h. m.
D. March. d. h. m. 13 18 58	JAN.	12 21 18	12 23 16
	FEB.	11 10 2	11 9 35
	MAR.	12 22 46	12 19 35
	APRIL	11 11 30	11 5 47
	MAY	11 0 14	10 16 52
	JUNE	9 12 58	9 5 27
	JULY	9 1 42	8 19 42
	AUG.	7 14 26	7 11 23
	SEPT.	6 8 10	6 8 49
	OCT.	5 15 54	5 20 8
	NOV.	4 4 38	4 11 38
	DEC.	3 17 22	4 1 51
1272. C.B. 13 0 47	JAN.	2 6 6 31 18 50	2 14 31 1 1 39
	FEB. ○	15 18 12	15 14 56
	MAR.	1 7 34 30 20 18	1 11 21 30 20 3
	APRIL	29 9 2	29 4 27
	MAY	28 21 46	28 13 25
	JUNE	27 10 30	26 23 56
	JULY	26 23 14	26 12 42
	○ AUG.	10 17 36 25 11 58	10 19 34 25 3 54
	SEPT.	24 0 42	23 21 3
	OCT.	23 13 26	23 15 7
	NOV.	22 2 10	22 8 54
	DEC.	21 14 54	22 1 14
1273. A. 13 6 36	JAN.	20 3 39	20 15 25
	○ FEB.	8 22 1 18 16 23	8 16 24 19 3 10
	MAR.	20 5 7	20 12 46
	APRIL	18 17 51	18 20 46
	MAY	18 6 35	18 4 0
	JUNE	16 19 19	16 11 30
	JULY	16 8 3	15 20 22
	○ AUG.	31 2 25	31 9 14
	SEPT.	14 20 47	14 7 34
	OCT.	13 9 31	12 21 42
	NOV.	12 22 15	12 14 38
	DEC.	11 10 59	11 9 25
		10 23 43	11 4 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1274. G.		d. h. m.	d. h. m.
March. d. h. m. 13 12 25	JAN.	9 12 28	9 22 48
	○ FEB.	24 6 50 8 1 12	24 0 42 8 14 30
	MAR.	9 18 56	10 3 16
	APRIL	8 2 40	8 13 16
	MAY	7 15 24	7 21 12
	JUNE	6 4 8	6 4 1
	JULY	5 16 52	5 10 47
	○ AUG.	20 11 14 4 5 36	20 16 2 3 18 38
	SEPT.	2 18 20	2 4 36
	OCT.	2 7 4	1 17 29
	NOV.	31 19 43 30 8 32	31 9 25 30 3 50
	DEC.	29 21 16	29 23 24
1275. F. 13 18 14	JAN.	28 10 0	28 18 25
	FEB.	26 22 44	27 11 23
	MAR.	28 11 28	29 1 23
	APRIL	27 0 12	27 12 21
	MAY	26 12 56	26 20 55
	JUNE	25 1 40	25 4 2
	JULY	24 14 24	24 10 50
	AUG.	23 3 8	22 18 25
	SEPT.	21 15 52	21 3 43
	OCT.	21 4 36	20 15 29
	NOV.	19 17 20	19 6 1
	○ DEC.	4 11 42 19 6 4	4 18 49 18 23 5
1276. E.D. 13 0 3	JAN.	17 18 49	17 17 46
	FEB.	16 7 33	16 12 36
	MAR.	16 20 17	17 6 9
	APRIL	15 9 1	15 21 18
	MAY	14 21 45	15 9 41
	○ JUNE	29 16 7	29 7 24
	JULY	13 10 29	13 19 33
	AUG.	12 23 13	13 3 43
	SEPT.	11 11 57	11 11 17
	OCT.	10 0 41	9 19 17
	NOV.	9 13 25	9 4 31
	○ DEC.	8 2 9 22 20 31	7 15 33 23 4 32
		7 14 58	7 4 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1277.		d. h. m.	d. h. m.
C. March. d. h. m. 13 5 51	JAN.	6 8 37	5 19 51
	FEB.	4 16 21	4 12 35
	MAR.	6 5 5	6 6 6
	APRIL	4 17 49	4 23 17
	MAY	4 6 33	4 15 8
	○	19 0 55	18 19 57
	JUNE	2 19 17	3 4 58
	JULY	2 8 1	2 16 40
		31 20 45	1 2 37
	AUG.	30 9 29	30 11 42
	SEPT.	28 22 18	28 20 45
	OCT.	28 10 57	28 6 26
	○	12 5 19	12 6 59
	NOV.	26 23 41	26 17 9
	DEC.	26 12 25	26 5 4
1278. B. 13 11 40	JAN.	25 1 10	24 18 13
	FEB.	23 13 54	23 8 32
	MAR.	25 2 38	24 23 51
	APRIL	23 15 22	23 15 42
	MAY	23 4 6	23 7 29
	JUNE	21 16 50	21 22 28
	JULY	21 5 34	21 12 8
	AUG.	19 18 18	20 0 23
	SEPT.	18 7 2	18 11 35
	OCT.	17 19 46	17 22 15
	NOV.	16 8 30	16 8 53
	DEC.	15 21 14	15 19 40
1279. A. 13 17 29	JAN.	14 9 58	14 6 40
	FEB.	12 22 42	12 17 59
	MAR.	14 11 27	14 5 52
	○	29 5 49	29 19 23
	APRIL	13 0 11	12 18 36
	MAY	12 12 55	12 8 27
	JUNE	11 1 39	10 23 17
	JULY	10 14 23	10 14 44
	AUG.	9 8 7	9 6 3
	SEPT.	7 15 51	7 20 45
	○	22 10 13	21 20 43
	OCT.	7 4 35	7 10 29
	NOV.	5 17 19	5 23 17
	DEC.	5 6 8	5 11 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1280.		d. h. m.	d. h. m.
G.F. March. d. h. m. 12 23 18	JAN.	8 18 48	8 22 24
	FEB.	2 7 32	2 8 51
	MAR.	2 20 15	2 18 43
	○	17 14 37	18 2 46
	APRIL	1 8 59	1 4 30
		30 21 48	30 14 48
	MAY	30 10 27	30 2 20
	JUNE	28 23 11	28 15 39
	JULY	28 11 55	28 6 42
	AUG.	27 0 39	26 23 0
	○	10 19 1	10 10 54
	SEPT.	25 18 23	25 15 44
	OCT.	25 2 7	25 8 1
	NOV.	23 14 51	23 23 10
	DEC.	23 8 35	23 12 45
1281. E. 13 5 7	JAN.	21 16 20	22 0 39
	FEB.	20 5 4	20 10 55
	○	6 23 26	7 8 42
	MAR.	21 17 48	21 19 52
	APRIL	20 6 32	20 4 5
	MAY	19 19 16	19 12 27
	JUNE	18 8 0	17 21 56
	JULY	17 20 44	17 9 28
	AUG.	16 9 28	15 23 28
	○	31 8 50	31 3 35
	SEPT.	14 22 12	14 15 51
	OCT.	14 10 56	14 9 49
	NOV.	12 23 40	13 4 7
	DEC.	12 12 24	12 21 29
1282. D. 13 10 56	JAN.	11 1 8	11 12 52
	FEB.	9 13 52	10 1 48
	MAR.	11 2 37	11 12 19
	APRIL	9 15 21	9 20 52
	MAY	9 4 5	9 4 13
	JUNE	7 16 49	7 11 21
	JULY	7 5 33	6 19 19
	AUG.	5 18 17	5 5 15
	SEPT.	4 7 1	3 17 55
	OCT.	3 19 45	3 9 36
	NOV.	2 8 29	2 3 45
	DEC.	1 21 13	1 23 5
		31 9 57	31 18 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1283. C.		d. h. m.	d. h. m.
	○	15 4 19	14 22 55
March. d. h. m.	JAN.	29 22 41	30 11 2
	FEB.	28 11 25	
13 16 44	MAR.	30 0 9	1 1 15 30 12 29
	APRIL	28 12 53	28 21 14
	MAY	28 1 37	28 4 25
	JUNE	26 14 21	26 11 1
	○	11 8 43	11 12 4
	JULY	26 8 5	25 18 14
	AUG.	24 15 49	24 3 7
	SEPT.	23 4 38	22 14 32
	OCT.	22 17 17	22 5 2
	NOV.	21 6 1	20 22 21
	DEC.	20 18 45	20 17 33
1284. B.A.	○	4 13 8	4 13 57
	JAN.	19 7 30	19 13 1
	FEB.	17 20 14	18 7 5
12 22 33	MAR.	18 8 58	18 22 33
	APRIL	16 21 42	17 10 57
	MAY	16 10 26	16 20 34
	JUNE	14 23 10	15 4 16
	○	29 17 32	29 12 43
	JULY	14 11 54	14 11 10
	AUG.	13 0 38	12 18 20
	SEPT.	11 13 22	11 2 49
	OCT.	11 2 6	10 13 22
	NOV.	9 14 50	9 2 34
	DEC.	9 3 34	8 18 26
	○	28 21 56	24 5 19
1285. G.	JAN.	7 16 19	7 12 19
	FEB.	6 5 8	6 7 6
13 4 22	MAR.	7 17 47	8 1 17
	APRIL	6 6 31	6 17 38
	MAY	5 19 15	6 7 21
	JUNE	4 7 59	4 18 25
	○	19 2 21	18 16 32
	JULY	3 20 43	4 3 25
	AUG.	2 9 27	2 11 20
		31 22 11	31 19 10
	SEPT.	30 10 55	30 3 53
	OCT.	29 23 39	29 14 5
	NOV.	28 12 23	28 2 10
	DEC.	28 1 7	27 16 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1286. F.		d. h. m.	d. h. m.
	JAN.	26 13 51	26 8 6
March. d. h. m.	FEB.	25 2 35	25 1 5
13 10 11	MAR.	26 15 19	26 18 20
	APRIL	25 4 3	25 10 48
	○	9 22 25	9 19 53
	MAY	24 16 47	25 1 41
	JUNE	23 5 31	23 14 30
	JULY	22 18 15	23 1 25
	AUG.	21 6 59	21 11 3
	SEPT.	19 19 43	19 20 16
	OCT.	19 8 27	19 5 46
	○	8 2 49	8 1 24
	NOV.	17 21 11	17 16 4
	DEC.	17 9 55	17 3 22
1287. E.	JAN.	15 22 40	15 15 47
	FEB.	14 11 24	14 5 16
13 16 0	MAR.	16 0 8	15 19 49
	APRIL	14 12 52	14 11 12
	○	29 7 14	29 12 58
	MAY	14 1 36	14 2 56
	JUNE	12 14 20	12 18 21
	JULY	12 3 4	12 8 49
	AUG.	10 15 48	10 22 0
	SEPT.	9 4 32	9 9 57
	OCT.	8 17 16	8 21 7
	○	23 11 38	23 1 14
	NOV.	7 6 0	7 7 56
	DEC.	6 18 44	6 18 43
1288. D.C.	JAN.	5 7 29	5 5 36
	FEB.	3 20 13	3 16 36
12 21 49	MAR.	4 8 57	4 3 53
	APRIL	2 21 41	2 15 50
	○	17 16 3	18 4 21
	MAY	2 10 25	2 4 50
		31 23 9	31 19 3
	JUNE	30 11 53	30 10 14
	JULY	30 0 37	30 1 47
	AUG.	28 13 21	28 17 5
	SEPT.	27 2 5	27 7 37
	○	11 20 27	11 6 54
	OCT.	26 14 49	26 21 11
	NOV.	25 3 33	25 9 44
	DEC.	24 16 17	24 21 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1289.		d. h. m.	d. h. m.
B. March. d. h. m. 13 3 37	JAN.	23 5 1	23 8 6
	FEB.	21 17 45	21 18 4
	MAR.	23 6 29	23 8 35
	APRIL	21 19 13	21 13 16
	MAY	21 7 57	20 23 51
	JUNE	19 20 41	19 12 6
	JULY	19 9 25	19 2 16
	AUG.	17 22 9	17 18 8
	SEPT.	16 10 58	16 10 59
	OCT.	15 23 37	16 3 52
	NOV.	14 12 21	14 19 55
	DEC.	14 1 5	14 10 30
1290. A. 13 9 26	JAN.	12 13 50	12 23 19
	FEB.	11 2 34	11 10 16
	○	25 20 56	25 22 25
	MAR.	12 15 18	12 19 40
	APRIL	11 4 2	11 3 56
	MAY	10 16 46	10 11 56
	JUNE	9 5 30	8 20 34
	JULY	8 18 14	8 6 52
	AUG.	7 6 58	6 19 36
	○	22 1 20	22 3 19
	SEPT.	5 19 42	5 10 57
	OCT.	5 8 26	5 4 25
	NOV.	3 21 10	3 22 55
	DEC.	3 9 54	3 17 6
1291. G. 13 15 15	JAN.	1 22 38	2 9 41
		31 11 22	31 23 53
	FEB. ○	15 5 44	15 0 20
	MAR.	2 0 6	2 11 28
		31 12 50	31 20 47
	APRIL	30 1 34	30 4 28
	MAY	29 14 18	29 11 26
	JUNE	28 3 2	27 18 48
	JULY	27 15 46	27 3 36
	○	11 10 8	11 16 30
	AUG.	26 4 30	25 14 51
	SEPT.	24 17 14	24 5 8
	OCT.	24 5 58	23 22 15
	NOV.	22 18 42	22 17 18
	DEC.	22 7 26	22 12 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1292. F.E. March. d. h. m. 12 21 4	JAN.	20 20 11	21 6 53
	○	4 14 33	4 9 12
	FEB.	19 8 55	19 22 32
	MAR.	19 21 39	20 11 9
	APRIL	18 10 23	18 20 57
	MAY	17 23 7	18 4 43
	JUNE	16 11 51	16 11 26
	JULY	16 0 35	15 18 14
	○	30 18 57	30 22 47
	AUG.	14 13 19	14 2 13
	SEPT.	13 2 3	12 12 21
	OCT.	12 14 47	12 1 22
	NOV.	11 3 31	10 17 25
	DEC.	10 16 15	10 11 49
1293. D. 13 2 53	JAN.	9 5 0	9 7 20
	FEB.	7 17 44	8 2 11
	MAR.	9 6 28	9 18 59
	APRIL	7 19 12	8 8 50
	MAY	7 7 56	7 19 43
	JUNE	5 20 40	6 4 16
	JULY	5 9 24	5 11 29
	AUG.	3 22 8	3 18 30
	SEPT.	2 10 52	2 2 20
	OCT.	1 23 36	1 11 54
		31 12 20	30 23 49
	NOV.	30 1 4	29 14 22
	○	14 19 26	15 3 39
	DEC.	29 13 48	29 7 15
1294. C. 13 8 42	JAN.	28 2 32	28 1 35
	FEB.	26 15 16	26 20 2
	MAR.	28 4 0	28 13 18
	APRIL	26 16 44	27 4 18
	MAY	26 5 28	26 16 40
	○	9 23 50	9 14 22
	JUNE	24 18 12	25 2 41
	JULY	24 6 56	24 11 9
	AUG.	22 19 40	22 19 6
	SEPT.	21 8 24	21 3 29
	OCT.	20 21 8	20 13 2
	NOV.	19 9 52	19 0 13
	○	4 4 14	4 12 52
	DEC.	18 22 36	18 13 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1295.		d. h. m.	d. h. m.
B. March. d. h. m. 18 14 30	JAN.	17 11 21	17 4 17
	FEB.	16 0 5	15 20 22
	MAR.	17 12 49	17 18 21
	APRIL	16 1 33	16 6 8
	MAY	15 14 17	15 21 49
	○	30 8 39	30 8 20
	JUNE	14 8 1	14 11 43
	JULY	13 15 45	13 23 41
	AUG.	12 4 29	12 10 5
	SEPT.	10 17 13	10 19 39
	OCT.	10 5 57	10 5 10
	NOV.	8 18 41	8 15 11
	○	28 13 3	28 14 56
	DEC.	8 7 25	8 2 3
1296. A.G. 12 20 19	JAN.	6 20 10	6 18 49
	FEB.	5 8 54	5 2 34
	MAR.	5 21 38	5 16 17
	APRIL	4 10 22	4 6 59
	MAY	3 23 6	3 22 24
	○	18 17 28	18 20 16
	JUNE	2 11 50	2 13 59
	JULY	2 0 34	2 5 1
		31 13 18	31 19 3
	AUG.	30 2 2	30 7 51
	SEPT.	28 14 46	28 19 38
	OCT.	28 3 30	28 6 50
	NOV.	26 16 14	26 17 46
	DEC.	26 4 58	26 4 38
1297. F. 13 2 8	JAN.	24 17 42	24 15 26
	FEB.	23 6 26	23 2 18
	MAR.	24 19 10	24 13 35
	○	8 13 32	9 2 58
	APRIL	23 7 54	23 1 44
	MAY	22 20 38	22 15 7
	JUNE	21 9 22	21 5 45
	JULY	20 22 6	20 21 15
	AUG.	19 10 50	19 12 57
	SEPT.	17 23 34	18 4 12
	○	2 17 56	2 4 45
	OCT.	17 12 18	17 18 34
	NOV.	16 1 2	16 7 52
	DEC.	15 13 46	15 20 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1298.		d. h. m.	d. h. m.
E. March. d. h. m. 13 7 57	JAN.	14 2 31	14 7 16
	FEB.	12 15 15	12 17 29
	MAR.	14 8 59	14 2 57
	○	28 22 21	29 10 5
	APRIL	12 16 43	12 12 12
	MAY	12 5 27	11 21 59
	JUNE	10 18 11	10 9 10
	JULY	10 6 55	9 22 17
	AUG.	8 19 39	8 13 23
	SEPT.	7 8 23	7 6 1
	○	22 2 45	21 19 4
	OCT.	6 21 7	6 23 15
	NOV.	5 9 51	5 16 6
	DEC.	4 22 35	5 7 41
1299. D. 13 18 46	JAN.	3 11 20	3 21 30
	FEB.	2 0 4	2 9 20
	MAR.	3 12 48	3 19 20
	○	18 7 10	18 10 54
	APRIL	2 1 32	2 3 54
	MAY	1 14 16	1 11 42
		31 3 0	30 19 44
	JUNE	29 15 44	29 4 58
	JULY	29 4 23	28 16 24
	AUG.	27 17 12	27 6 29
	○	11 11 34	11 11 37
	SEPT.	26 5 56	25 23 7
	OCT.	25 18 40	25 17 28
	NOV.	24 7 24	24 12 10
	DEC.	23 20 8	24 5 49
1300. C.B. 12 19 35	JAN.	22 8 52	22 21 18
	FEB.	20 21 36	21 10 8
	MAR.	21 10 20	21 20 24
	APRIL	19 23 4	20 4 39
	MAY	19 11 48	19 11 44
	JUNE	18 0 32	17 18 41
	JULY	17 13 16	17 2 36
	AUG.	16 2 0	15 12 34
	SEPT.	14 14 44	14 1 21
	OCT.	14 3 28	13 17 13
	NOV.	12 16 12	12 11 33
	DEC.	12 4 56	12 7 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1301. A.		d. h. m.	d. h. m.
March. d. h. m. 13 1 23	JAN.	10 17 41	11 2 5
	○	25 12 8	25 7 35
	FEB.	9 6 25	9 19 4
	MAR.	10 19 9	11 9 9
	APRIL	9 7 53	9 20 13
	MAY	8 20 37	9 4 48
	JUNE	7 9 21	7 11 52
	JULY	6 22 5	6 18 30
	○	21 16 27	21 18 40
	AUG.	5 10 49	5 1 49
	SEPT.	3 23 33	3 10 50
	OCT.	3 12 17	2 22 27
	NOV.	2 1 1	1 13 4
	DEC.	1 13 45	1 6 25
		31 2 29	31 1 30
1302. G. 13 7 12	○	14 20 52	14 22 53
	JAN.	29 15 14	29 20 49
	FEB.	28 3 58	28 14 42
	MAR.	29 16 42	30 6 0
	APRIL	28 5 26	28 18 17
	MAY	27 18 10	28 3 53
	JUNE	26 6 54	26 11 39
	○	11 1 16	10 19 14
	JULY	25 19 38	25 18 45
	AUG.	24 8 22	24 2 11
	SEPT.	22 21 6	22 10 56
	OCT.	22 9 50	21 21 43
	NOV.	20 22 31	20 11 0
	DEC.	20 11 18	20 2 43
1303. F. 13 13 1	○	4 5 40	4 14 9
	JAN.	19 0 2	18 20 17
	FEB.	17 12 46	17 14 39
	MAR.	19 1 30	19 8 29
	APRIL	17 14 14	18 0 38
	MAY	17 2 58	17 14 17
	JUNE	15 15 42	16 1 28
	○	30 10 4	29 23 24
	JULY	15 4 26	15 10 43
	AUG.	13 17 10	13 18 59
	SEPT.	12 5 54	12 8 15
	OCT.	11 18 38	11 12 18
	NOV.	10 7 22	9 22 45
	DEC.	9 20 6	9 10 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1304. E.D. March. d. h. m. 12 18 50		d. h. m.	d. h. m.
	JAN.	8 8 51	8 0 44
	FEB.	6 21 35	6 16 6
	MAR.	7 10 19	7 8 31
	APRIL	5 23 3	6 1 18
	MAY	5 11 47	5 17 30
	○	20 6 9	20 3 22
	JUNE	4 0 31	4 8 19
	JULY	3 13 15	3 21 22
	AUG.	2 1 59	2 8 41
		31 14 43	31 18 49
	SEPT.	30 3 27	30 4 31
	OCT.	29 16 11	29 14 26
	○	13 10 33	13 9 13
	NOV.	28 4 55	28 0 58
	DEC.	27 17 39	27 12 15
1305. C. 13 0 39	JAN.	26 6 23	26 0 20
	FEB.	24 19 7	24 13 16
	MAR.	26 7 51	26 3 12
	APRIL	21 20 35	24 18 2
	○	9 14 57	9 20 33
	MAY	24 9 19	24 9 26
	JUNE	22 22 3	23 0 49
	JULY	22 10 47	22 15 32
	AUG.	20 23 31	21 5 12
	SEPT.	19 12 15	19 17 45
	OCT.	19 0 59	19 5 28
	○	2 19 21	2 9 8
	NOV.	17 13 43	17 16 42
	DEC.	17 2 27	17 3 41
1306. B. 13 6 23	JAN.	15 15 12	15 14 28
	FEB.	14 3 56	14 1 6
	MAR.	15 16 40	15 11 50
	APRIL	14 5 24	13 23 13
	○	28 23 46	29 11 48
	MAY	13 18 8	13 11 41
	JUNE	12 6 52	12 1 34
	JULY	11 19 36	11 16 41
	AUG.	10 8 20	10 8 29
	SEPT.	8 21 4	9 0 18
	OCT.	8 9 48	8 15 26
	○	23 4 10	22 15 6
	NOV.	6 22 32	7 5 31
	DEC.	6 11 16	6 18 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1307.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 18 12 16	JAN. .	5 0 1	5 6 17
	FEB. .	8 12 45	8 16 51
	MAR. .	5 1 29	5 2 27
	APRIL	8 14 18	8 11 28
	MAY .	8 2 57	2 20 39
	JUNE .	1 15 41	1 6 50
	JULY .	1 4 25	30 18 49
		30 17 9	30 8 57
	AUG. .	29 5 58	29 1 1
	SEPT. .	27 18 37	27 18 18
	OCT. .	27 7 21	27 11 44
	NOV. .	25 20 5	26 4 16
	DEC. .	25 8 49	25 19 9
1308. G.F. 12 18 5	JAN. .	23 21 33	24 7 58
	FEB. .	22 10 17	22 18 46
	○	8 4 39	8 5 47
	MAR. .	22 23 1	23 3 47
	APRIL	21 11 45	21 11 41
	MAY .	21 0 29	20 19 19
	JUNE .	19 13 13	19 3 42
	JULY .	19 1 57	18 13 51
	AUG. .	17 14 41	17 2 36
	○	1 9 3	1 11 9
	SEPT. .	16 3 25	15 18 8
	OCT. .	15 16 9	15 11 55
	NOV. .	14 4 53	14 6 48
	DEC. .	13 17 37	14 1 16
1309. E. 12 23 54	JAN. .	12 6 21	12 18 2
	FEB. .	10 19 5	11 8 12
	○	25 13 27	25 8 9
	MAR. .	12 7 50	12 19 37
	APRIL	10 20 34	11 4 39
	MAY .	10 9 18	10 12 5
	JUNE .	8 22 2	8 18 53
	JULY .	8 10 46	8 2 8
	AUG. .	6 23 30	6 10 57
	○	21 17 52	21 23 53
	SEPT. .	5 12 14	4 22 19
	OCT. .	5 0 58	4 12 45
	NOV. .	3 13 42	3 6 3
	DEC. .	3 2 26	3 1 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1310. D.		*d. h. m.*	*d. h. m.*
	JAN. .	1 15 11	1 20 46
		31 8 55	31 14 54
March. *d. h. m.* 13 5 43	FEB. ○	14 22 17	14 17 35
	MAR. .	1 16 39	2 6 27
		31 5 23	31 18 53
	APRIL	29 18 7	30 4 32
	MAY .	29 6 51	29 12 11
	JUNE .	27 19 35	27 18 53
	JULY .	27 8 19	27 1 47
	○	11 2 41	11 5 38
	AUG. .	25 21 3	25 9 56
	SEPT. .	24 9 47	23 20 16
	OCT. .	23 22 31	23 9 26
	NOV. .	22 11 15	22 1 30
	DEC. .	21 23 59	21 19 52
1311. C. 13 11 32	JAN. .	20 12 43	20 15 10
	FEB. .	19 1 27	19 9 48
	MAR. .	20 14 11	21 2 24
	APRIL	19 2 55	19 16 7
	MAY .	18 15 39	19 2 58
	JUNE .	17 4 23	17 11 34
	JULY .	16 17 7	16 18 58
	AUG. .	15 5 51	15 2 13
	SEPT. .	13 18 35	13 10 21
	OCT. .	13 7 19	12 20 12
	NOV. .	11 20 3	11 8 17
	DEC. .	11 8 47	10 22 46
	○	26 3 9	26 12 25
1312. B.A. 12 17 21	JAN. .	9 21 32	9 15 23
	FEB. .	8 10 16	8 9 18
	MAR. .	8 23 0	9 3 23
	APRIL	7 11 44	7 20 20
	MAY .	7 0 28	7 11 13
	JUNE .	5 13 12	5 23 38
	○	20 7 34	19 21 22
	JULY .	5 1 56	5 9 53
	AUG. .	3 14 40	3 18 41
	SEPT. .	2 3 24	2 3 1
	OCT. .	1 16 8	1 11 49
		31 4 52	30 21 40
	NOV. .	29 17 36	29 8 59
	○	14 11 58	14 21 13
	DEC. .	29 6 20	28 21 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1313.		d. h. m.	d. h. m.
G. March. d. h. m. 12 23 10	JAN.	27 19 4	27 12 21
	FEB.	26 7 48	26 4 2
	MAR.	27 20 33	27 20 28
	APRIL	26 9 17	26 12 53
	MAY	25 22 1	26 4 25
	○	9 16 23	9 10 42
	JUNE	24 10 45	24 18 25
	JULY	23 23 29	24 6 44
	AUG.	22 12 13	22 17 38
	SEPT.	21 0 57	21 3 43
	OCT.	20 18 41	20 13 43
	NOV.	19 2 25	19 0 4
	○	3 20 47	3 22 54
	DEC.	18 15 9	18 11 0
1314. F. 13 4 53	JAN.	17 3 53	16 22 33
	FEB.	15 16 37	15 10 48
	MAR.	17 5 21	16 23 56
	APRIL	15 18 5	15 14 1
	MAY	15 6 49	15 5 0
	○	30 1 11	30 3 45
	JUNE	13 19 33	13 20 23
	JULY	13 8 17	13 11 36
	AUG.	11 21 1	12 2 1
	SEPT.	10 9 45	10 15 23
	OCT.	9 22 29	10 3 48
	NOV.	8 11 13	8 15 29
	DEC.	7 23 57	8 2 42
1315. E. 13 10 47	JAN.	6 12 42	6 13 35
	FEB.	5 1 26	5 0 7
	MAR.	6 14 10	6 10 30
	APRIL	5 2 54	4 21 13
	○	19 21 16	20 10 25
	MAY	4 15 38	4 8 48
	JUNE	3 4 22	2 21 45
	JULY	2 17 6	2 12 14
	AUG.	1 5 50	1 3 51
		30 18 34	30 19 57
	SEPT.	29 7 18	29 11 47
	○	14 1 40	13 12 58
	OCT.	28 20 2	29 2 45
	NOV.	27 8 46	27 16 31
	DEC.	26 21 30	27 4 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1316.		d. h. m.	d. h. m.
D.C. March. d. h. m. 12 16 36	JAN.	25 10 15	25 16 6
	FEB.	23 22 59	24 1 59
	MAR.	24 11 43	24 11 1
	○	8 6 5	8 17 12
	APRIL	23 0 27	22 19 46
	MAY	22 13 11	22 5 8
	JUNE	21 1 55	20 16 0
	JULY	20 14 39	20 4 58
	AUG.	19 3 23	18 20 13
	SEPT.	17 16 7	17 13 10
	○	2 10 29	2 3 23
	OCT.	17 4 51	17 6 53
	NOV.	15 17 35	16 0 14
	DEC.	15 6 19	15 16 12
1317. B. 12 22 25	JAN.	13 19 3	14 6 9
	FEB.	12 7 47	12 17 52
	MAR.	13 20 31	14 3 34
	○	28 14 53	28 17 48
	APRIL	12 9 15	12 11 46
	MAY	11 21 59	11 19 15
	JUNE	10 10 43	10 2 59
	JULY	9 23 27	9 12 3
	AUG.	8 12 11	7 23 26
	SEPT.	7 0 55	6 13 38
	○	21 19 17	21 19 45
	OCT.	6 13 39	6 6 32
	NOV.	5 2 23	5 1 11
	DEC.	4 15 7	4 20 12
1318. A. 13 4 14	JAN.	3 3 52	3 14 5
	FEB.	1 16 36	2 5 37
	MAR.	3 5 20	3 18 19
	APRIL	1 18 4	2 4 20
	MAY	1 6 48	1 12 20
		30 19 32	30 19 14
	JUNE	29 8 16	29 2 5
	JULY	28 21 0	28 9 59
	AUG.	27 9 44	26 20 2
	SEPT.	25 22 28	25 8 58
	OCT.	25 11 12	25 0 59
	NOV.	23 23 56	23 19 27
	DEC.	23 12 40	23 15 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1319. G.		d. h. m.	d. h. m.
	JAN.	22 1 24	22 10 3
March. d. h. m. 13 10 2	○	5 19 46	5 16 10
	FEB.	20 14 8	21 2 57
	MAR.	22 2 52	22 16 53
	APRIL	20 15 36	21 3 47
	MAY	20 4 20	20 12 15
	JUNE	18 17 4	18 19 18
	JULY	18 5 48	18 2 1
	○	2 0 10	2 1 21
	AUG.	16 18 32	16 9 28
	SEPT.	15 7 16	14 18 43
	OCT.	14 20 0	14 6 31
	NOV.	13 8 44	12 21 12
	DEC.	12 21 28	12 14 30
1320. F.E.	JAN.	11 10 13	11 9 26
	○	26 4 35	26 7 40
	FEB.	9 22 57	10 4 30
12 15 51	MAR.	10 11 41	10 22 8
	APRIL	9 0 25	9 13 15
	MAY	8 13 9	9 1 28
	JUNE	7 1 53	7 11 6
	JULY	6 14 37	6 19 8
	○	21 8 59	21 1 50
	AUG.	5 3 21	5 2 22
	SEPT.	3 16 5	3 10 8
	OCT.	3 4 49	2 19 11
	NOV.	1 17 33	1 6 12
	DEC.	1 6 17	30 19 30
		30 19 1	30 11 0
	○	14 13 23	14 22 55
1321. D.	JAN.	29 7 45	29 4 12
	FEB.	27 20 30	27 22 8
12 21 40	MAR.	29 9 14	29 15 35
	APRIL	27 21 58	28 7 29
	MAY	27 10 42	27 21 9
	JUNE	25 23 26	26 8 31
	○	10 17 48	10 6 20
	JULY	25 12 10	25 18 5
	AUG.	24 0 54	24 2 44
	SEPT.	22 13 38	22 11 27
	OCT.	22 2 22	21 20 54
	NOV.	20 15 6	20 7 34
	DEC.	20 3 50	19 19 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1322. C.		d. h. m.	d. h. m.
March. d. h. m. 13 8 29	JAN.	18 16 34	18 9 9
	FEB.	17 5 18	17 0 0
	MAR.	18 18 2	18 15 50
	APRIL	17 6 46	17 8 7
	MAY	16 19 30	17 0 3
	JUNE	15 8 14	15 14 54
	JULY	14 20 58	15 4 12
	AUG.	13 9 42	13 15 59
	SEPT.	11 22 26	12 2 40
	OCT.	11 11 10	11 12 53
	NOV.	9 23 54	9 23 13
	DEC.	9 12 38	9 9 55
1323. B.	JAN.	8 1 23	7 21 6
	FEB.	6 14 7	6 8 48
13 9 18	MAR.	8 2 51	7 21 11
	APRIL	6 15 35	6 10 28
	MAY	6 4 19	6 0 47
	○	20 22 41	21 4 6
	JUNE	4 17 3	4 15 54
	JULY	4 5 47	4 7 17
	AUG.	2 18 31	2 22 20
	SEPT.	1 7 15	1 12 31
		30 19 59	1 1 41
	OCT.	30 8 43	30 13 58
	○	14 3 5	13 17 8
	NOV.	28 21 27	29 1 35
	DEC.	28 10 11	28 12 40
1324. A.G.	JAN.	26 22 56	26 23 16
	FEB.	25 11 40	25 9 30
12 15 7	MAR.	26 0 24	25 19 42
	APRIL	24 13 8	24 6 30
	○	9 7 30	9 19 9
	MAY	24 1 52	23 18 31
	JUNE	22 14 36	22 8 6
	JULY	22 3 20	21 23 14
	AUG.	20 16 4	20 15 20
	SEPT.	19 4 48	19 7 39
	OCT.	18 17 32	18 23 23
	○	2 11 54	1 23 28
	NOV.	17 6 16	17 14 3
	DEC.	16 19 0	17 3 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1325.		d. h. m.	d. h. m.
F. March. d. h. m. 12 20 55	JAN.	15 7 44	15 15 6
	FEB.	13 20 28	14 1 27
	MAR.	15 9 12	15 10 40
	APRIL	13 21 56	13 19 14
	MAY	13 10 40	13 3 58
	JUNE	11 23 24	11 13 48
	JULY	11 12 8	11 1 34
	AUG.	10 0 52	9 15 44
	SEPT.	8 13 36	8 8 2
	OCT.	8 2 20	8 1 44
	NOV.	6 15 4	6 19 38
	DEC.	6 3 48	6 12 36
1326. E. 13 2 44	JAN.	4 16 33	5 8 44
	FEB.	3 5 17	3 16 34
	MAR.	4 18 1	5 3 6
	○	19 12 23	19 13 0
	APRIL	3 6 45	3 11 48
	MAY	2 19 29	2 19 21
	JUNE	1 8 13	1 2 42
		30 20 57	30 10 52
	JULY	30 9 41	29 20 59
	AUG.	28 22 25	28 9 47
	○	12 16 47	12 19 9
	SEPT.	27 11 9	27 1 29
	OCT.	26 23 53	26 19 32
	NOV.	25 12 37	25 14 43
	DEC.	25 1 21	25 9 26
1327. D. 13 8 33	JAN.	23 14 5	24 2 18
	FEB.	22 2 49	22 16 23
	○	8 21 11	8 15 53
	MAR.	23 15 34	24 3 36
	APRIL	22 4 18	22 12 24
	MAY	21 17 2	21 19 38
	JUNE	20 5 46	20 2 19
	JULY	19 18 30	19 9 32
	AUG.	18 7 14	17 18 26
	○	2 1 36	2 7 23
	SEPT.	16 19 58	16 5 56
	OCT.	16 8 42	15 20 31
	NOV.	14 21 26	14 13 57
	DEC.	14 10 10	14 9 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1328. C.B.		d. h. m.	d. h. m.
March. d. h. m. 12 14 22	JAN.	12 22 54	13 4 42
	FEB.	11 11 38	11 22 45
	○	26 6 0	26 1 52
	MAR.	12 0 22	12 14 9
	APRIL	10 18 6	11 2 27
	MAY	10 1 50	10 11 59
	JUNE	8 14 34	8 19 36
	JULY	8 3 18	8 2 21
	AUG.	6 16 2	6 9 24
	○	21 10 24	21 12 33
	SEPT.	5 4 46	4 17 46
	OCT.	4 17 30	4 4 19
	NOV.	3 6 14	2 17 37
	DEC.	2 18 58	2 9 41
1329. A. 12 20 11	JAN.	1 7 43	1 3 53
		30 20 27	30 22 55
	FEB.	...	...
	MAR.	1 9 11	1 17 17
		30 21 55	31 9 40
	APRIL	29 10 39	29 23 17
	MAY	23 23 23	29 10 8
	JUNE	27 12 7	27 18 52
	JULY	27 0 51	27 2 30
	AUG.	25 13 35	25 10 5
	SEPT.	24 2 19	23 18 34
	OCT.	23 15 3	23 4 40
	NOV.	22 3 47	21 16 51
	DEC.	21 16 31	21 7 13
1330. G. 13 2 0	○	5 10 54	5 21 9
	JAN.	20 5 16	19 23 31
	FEB.	18 18 0	18 16 57
	MAR.	20 6 44	20 10 34
	APRIL	18 19 28	19 3 13
	MAY	18 8 12	18 18 0
	JUNE	16 20 56	17 6 32
	○	1 15 18	1 4 24
	JULY	16 9 40	16 17 4
	AUG.	14 22 24	15 2 17
	SEPT.	13 11 8	13 11 5
	OCT.	12 23 52	12 20 17
	NOV.	11 12 36	11 6 27
	DEC.	11 1 20	10 17 50
	○	25 19 42	26 5 33

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1331.		d. h. m.	d. h. m.
F. March. d. h. m. 13 7 48	JAN.	9 14 4	9 6 31
	FEB.	8 2 48	7 20 30
	MAR.	9 15 32	9 11 36
	APRIL	8 4 16	8 3 28
	MAY	7 17 0	7 19 29
	JUNE	6 5 44	6 10 54
	○	21 0 6	20 18 2
	JULY	5 18 28	6 1 8
	AUG.	4 7 12	4 13 50
	SEPT.	2 19 56	3 1 15
	OCT.	2 8 40	2 11 55
		31 21 24	31 22 22
	NOV.	30 10 8	30 8 59
	○	15 4 30	15 6 53
	DEC.	29 22 52	29 19 54
1332. E.D. 12 13 37	JAN.	28 11 37	28 7 12
	FEB.	27 0 21	26 18 57
	MAR.	27 13 5	27 7 28
	APRIL	26 1 49	25 20 59
	MAY	25 14 33	25 11 32
	○	9 8 55	9 11 12
	JUNE	24 3 17	24 2 50
	JULY	23 16 1	23 18 13
	AUG.	22 4 45	22 9 6
	SEPT.	20 17 29	20 23 4
	OCT.	20 6 13	20 12 4
	NOV.	18 18 57	19 0 13
	DEC.	18 7 41	18 11 39
1333. C. 12 19 26	JAN.	16 20 25	16 22 27
	FEB.	15 9 9	15 8 40
	MAR.	16 21 53	16 18 35
	APRIL	15 10 37	15 4 43
	○	30 4 59	30 17 43
	MAY	14 23 21	14 15 48
	JUNE	13 12 5	13 4 25
	JULY	13 0 49	12 18 46
	AUG.	11 13 33	11 10 33
	SEPT.	10 2 17	10 3 4
	OCT.	9 15 1	9 19 27
	○	24 9 23	23 21 19
	NOV.	8 3 45	8 11 1
	DEC.	7 16 29	8 1 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1334.		d. h. m.	d. h. m.
B. March. d. h. m. 13 1 15	JAN.	6 5 14	6 13 48
	FEB.	4 17 58	5 0 48
	MAR.	6 6 42	6 10 22
	APRIL	4 19 26	4 18 57
	○	19 13 48	20 0 10
	MAY	4 8 10	4 3 16
	JUNE	2 20 54	2 12 15
	JULY	2 9 33	1 22 50
		31 22 22	31 11 46
	AUG.	30 11 6	30 3 9
	SEPT.	28 23 50	28 20 26
	○	13 18 12	13 11 50
	OCT.	28 12 34	28 14 37
	NOV.	27 1 18	27 8 24
	DEC.	26 14 2	27 0 40
1335. A. 13 7 4	JAN.	25 2 47	25 14 42
	FEB.	23 15 31	24 2 17
	MAR.	25 4 15	25 11 41
	○	8 22 37	9 0 54
	APRIL	23 16 59	23 19 33
	MAY	23 5 43	23 2 44
	JUNE	21 18 27	21 10 15
	JULY	21 7 11	20 19 13
	AUG.	19 19 55	19 6 37
	SEPT.	18 8 39	17 20 58
	○	3 3 1	3 4 8
	OCT.	17 21 23	17 14 5
	NOV.	16 10 7	16 9 1
	DEC.	15 22 51	16 4 17
1336. G.F. 12 12 53	JAN.	14 11 35	14 22 15
	FEB.	13 0 19	13 13 47
	MAR.	13 13 3	14 2 20
	APRIL	12 1 47	12 12 8
	MAY	11 14 31	11 19 56
	JUNE	10 3 15	10 2 40
	JULY	9 15 59	9 9 31
	AUG.	8 4 43	7 17 29
	SEPT.	6 17 27	6 3 39
	OCT.	6 6 11	5 16 43
	NOV.	4 18 55	4 8 52
	DEC.	4 7 39	4 3 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1337. E.		d. h. m.	d. h. m.
	JAN.	2 20 28	2 22 58
March. d. h. m. 12 18 41	FEB.	1 9 7	1 17 54
	○	16 8 29	16 0 39
	MAR.	2 21 51	3 10 40
	APRIL	1 10 35	2 0 27
		30 23 19	1 11 18
	MAY	30 12 8	30 19 38
	JUNE	29 0 47	29 2 42
	JULY	28 13 31	28 9 34
	○	12 7 53	12 8 4
	AUG.	27 2 15	26 17 17
	SEPT.	25 14 59	25 2 46
	OCT.	25 8 43	24 14 44
	NOV.	23 16 27	23 5 27
	DEC.	23 5 11	22 22 38
1338. D.	JAN.	21 17 56	21 17 19
	○	5 12 18	5 16 23
	FEB.	20 6 40	20 12 2
13 0 30	MAR.	21 19 25	22 5 25
	APRIL	20 8 9	20 20 20
	MAY	19 20 53	20 8 34
	JUNE	18 9 37	18 18 19
	JULY	17 22 21	18 2 28
	○	1 16 43	1 8 30
	AUG.	16 11 5	16 10 7
	SEPT.	14 23 49	14 18 14
	OCT.	14 12 33	14 3 37
	NOV.	13 1 17	12 14 49
	DEC.	12 14 1	12 4 3
1339. C.	JAN.	11 2 45	10 19 17
	○	25 21 7	26 7 36
	FEB.	9 15 29	9 12 1
13 6 19	MAR.	11 4 13	11 5 26
	APRIL	9 16 57	9 22 31
	MAY	9 5 41	9 14 13
	JUNE	7 18 25	8 3 57
	JULY	7 7 9	7 15 32
	○	22 1 31	21 13 20
	AUG.	5 19 53	6 1 29
	SEPT.	4 8 37	4 10 38
	OCT.	3 21 21	3 19 46
	NOV.	2 10 5	2 5 35
	DEC.	1 22 49	1 16 24
		31 11 33	31 4 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1340. B.A.		d. h. m.	d. h. m.
	JAN.	30 0 18	29 17 31
March. d. h. m. 12 12 8	FEB.	28 13 2	28 7 48
	MAR.	29 1 46	28 23 3
	APRIL	27 14 30	27 14 51
	MAY	27 3 14	27 6 35
	JUNE	25 15 58	25 21 29
	JULY	25 4 42	25 11 7
	AUG.	23 17 26	23 23 24
	SEPT.	22 6 10	22 10 40
	OCT.	21 18 54	21 21 25
	NOV.	20 7 38	20 3 5
	DEC.	19 20 22	19 18 54
1341. G.	JAN.	18 9 7	18 5 54
	FEB.	16 21 51	16 17 10
12 17 57	MAR.	18 10 35	18 4 58
	APRIL	16 23 19	16 17 40
	MAY	16 12 8	16 7 29
	○	31 6 25	31 11 32
	JUNE	15 0 47	14 22 22
	JULY	14 13 31	14 13 49
	AUG.	13 2 15	13 5 12
	SEPT.	11 14 59	11 19 56
	OCT.	11 8 43	11 9 43
	NOV.	9 16 27	9 22 33
	○	24 10 49	24 1 16
	DEC.	9 5 11	9 10 28
1342. F.	JAN.	7 17 55	7 21 37
	FEB.	6 6 39	6 7 58
12 23 46	MAR.	7 19 23	7 17 46
	APRIL	6 8 7	6 3 26
	MAY	5 20 51	5 13 42
	○	20 15 13	21 2 23
	JUNE	4 9 35	4 1 17
	JULY	3 22 19	3 14 41
	AUG.	2 11 3	2 5 50
		31 23 47	31 22 15
	SEPT.	30 12 31	30 15 4
	OCT.	30 1 15	30 7 25
	○	13 19 37	13 7 56
	NOV.	28 13 59	28 22 33
	DEC.	28 2 43	28 12 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1343.		d. h. m.	d. h. m.
E. March. d. h. m. 13 5 34	JAN.	26 15 28	26 23 50
	FEB.	25 4 12	25 9 59
	MAR.	26 16 56	26 18 47
	APRIL	25 5 40	25 2 55
	MAY	24 18 24	24 11 14
	JUNE	23 7 8	22 20 48
	JULY	22 19 52	22 8 26
	AUG.	21 8 36	20 22 37
	SEPT.	19 21 20	19 15 11
	OCT.	19 10 4	19 9 17
	NOV.	17 22 48	18 3 39
	DEC.	17 11 32	17 20 58
1344. D.C. 12 11 23	JAN.	16 0 17	16 12 15
	FEB.	14 18 1	15 1 0
	MAR.	15 1 45	15 11 19
	APRIL	13 14 29	13 19 42
	MAY	13 3 13	13 2 58
	JUNE	11 15 57	11 10 3
	JULY	11 4 41	10 18 8
	AUG.	9 17 25	9 4 12
	SEPT.	8 6 9	7 17 5
	○	23 0 31	23 3 15
	OCT.	7 18 53	7 8 59
	NOV.	6 7 37	6 3 18
	DEC.	5 20 21	5 22 43
1345. B. 12 17 12	JAN.	4 9 5	4 17 35
	FEB.	2 21 49	3 10 26
	MAR.	4 10 33	5 0 25
	○	19 4 55	18 23 30
	APRIL	2 23 17	3 11 27
	MAY	2 12 1	2 20 1
	JUNE	1 0 45	1 3 5
		30 13 29	30 9 44
	JULY	30 2 13	29 17 2
	AUG.	28 14 57	28 2 4
	○	12 9 19	12 14 58
	SEPT.	27 3 41	26 13 42
	OCT.	26 16 25	26 4 25
	NOV.	25 5 9	24 21 56
	DEC.	24 17 53	24 17 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1346.		d. h. m.	d. h. m.
A. March. d. h. m. 12 23 1	JAN.	23 6 38	23 12 35
	FEB.	21 19 22	22 6 28
	○	8 13 44	8 10 2
	MAR.	23 8 6	23 21 42
	APRIL	21 20 50	22 9 53
	MAY	21 9 34	21 19 21
	JUNE	19 22 18	20 2 59
	JULY	19 11 2	19 9 53
	AUG.	17 23 46	17 17 10
	○	1 18 8	1 19 34
	SEPT.	16 12 30	16 1 48
	OCT.	16 1 14	15 12 34
	NOV.	14 13 58	14 1 57
	DEC.	14 2 42	13 17 56
1347. G. 13 4 50	JAN.	12 15 26	12 11 52
	FEB.	11 4 10	11 6 34
	MAR.	12 16 54	13 0 37
	APRIL	11 5 38	11 16 46
	MAY	10 18 22	11 6 19
	JUNE	9 7 6	9 17 14
	JULY	8 19 50	9 2 10
	AUG.	7 8 34	7 10 6
	SEPT.	5 21 18	5 18 4
	OCT.	5 10 2	5 2 55
	NOV.	3 22 46	3 13 16
	DEC.	3 11 30	3 1 30
1348. F.E. 12 10 39	JAN.	2 0 15	1 15 40
	○	16 18 37	17 5 47
		31 12 59	31 7 32
	FEB.	...	...
	MAR.	1 1 43	1 0 27
		30 14 27	30 17 36
	APRIL	29 8 11	29 9 56
	MAY	28 15 55	29 0 41
	JUNE	27 4 39	27 13 24
	○	11 23 1	11 11 29
	JULY	26 17 23	27 0 18
	AUG.	25 6 7	25 9 58
	SEPT.	23 18 51	23 19 15
	OCT.	23 7 35	23 4 54
	NOV.	21 20 19	21 15 17
	DEC.	21 9 3	21 2 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1349. D.		d. h. m.	d. h. m.
March. d. h. m. 12 16 27	○	5 3 25	5 13 49
	JAN. .	19 21 48	19 15 6
	FEB. .	18 10 32	18 4 33
	MAR. .	19 23 16	19 19 2
	APRIL	18 12 0	18 10 21
	MAY .	18 0 44	18 2 3
	JUNE .	16 13 28	16 17 24
	○	1 7 50	1 1 26
	JULY .	16 2 12	16 7 50
	AUG. .	14 14 56	14 21 1
	SEPT. .	13 3 40	13 9 1
	OCT. .	12 16 24	12 20 15
	NOV. .	11 5 8	11 7 8
	DEC. .	10 17 52	10 17 58
	○	25 12 14	25 14 51
1350. C. 12 22 16	JAN. .	9 6 36	9 4 49
	FEB. .	7 19 20	7 15 45
	MAR. .	9 8 4	9 2 59
	APRIL	7 20 48	7 14 52
	MAY .	7 9 32	7 8 51
	JUNE .	5 22 16	5 18 4
	○	20 16 38	20 18 38
	JULY .	5 11 0	5 9 17
	AUG. .	3 23 44	4 0 54
	SEPT. .	2 12 28	2 16 14
	OCT. .	2 1 12	2 6 50
		31 13 56	31 20 26
	NOV. .	30 2 40	30 9 0
	DEC. .	29 15 24	29 20 36
1351. B. 13 4 5	JAN. .	28 4 9	28 7 16
	FEB. .	26 16 53	26 17 7
	MAR. .	28 5 37	28 2 33
	APRIL	26 18 21	26 12 9
	MAY .	26 7 5	25 22 46
	JUNE .	24 19 49	24 11 5
	JULY .	24 8 33	24 1 22
	AUG. .	22 21 17	22 17 21
	SEPT. .	21 10 1	21 10 18
	OCT. .	20 22 45	21 3 17
	○	4 17 7	4 5 49
	NOV. .	19 11 29	19 19 20
	DEC. .	19 0 13	19 9 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1352. A.G. March. d. h. m. 12 9 54		d. h. m.	d. h. m.
	JAN. .	17 12 58	17 22 33
	FEB. .	16 1 42	16 9 23
	MAR. .	16 14 26	16 18 37
	APRIL	15 3 10	15 2 47
	○	29 21 32	30 7 2
	MAY .	14 15 54	14 10 42
	JUNE .	13 4 38	12 19 22
	JULY .	12 17 22	12 5 47
	AUG. .	11 6 6	10 18 41
	SEPT. .	9 18 50	9 10 13
	OCT. .	9 7 34	9 3 51
	○	24 1 56	23 20 26
	NOV. .	7 20 18	7 22 27
	DEC. .	7 9 2	7 16 38
1353. F. 12 15 43	JAN. .	5 21 46	6 9 6
	FEB. .	4 10 30	4 23 8
	MAR. .	5 23 14	6 10 32
	APRIL	4 11 58	4 19 39
	○	19 6 20	19 7 44
	MAY .	4 0 42	4 3 13
	JUNE .	2 13 26	2 10 9
	JULY .	2 2 10	1 17 31
		31 14 54	31 2 28
	AUG. .	30 3 38	29 13 56
	SEPT. .	28 16 22	28 4 26
	○	13 10 44	13 12 26
	OCT. .	28 5 6	27 21 45
	NOV. .	26 17 50	26 16 55
	DEC. .	26 6 34	26 12 19
1354. K. 12 21 32	JAN. .	24 19 19	25 6 22
	FEB. .	23 8 8	23 21 48
	MAR. .	24 20 47	25 10 11
	APRIL	23 9 31	23 19 48
	MAY .	22 22 15	23 3 26
	JUNE .	21 10 59	21 10 8
	JULY .	20 23 43	20 16 59
	AUG. .	19 12 27	19 1 6
	SEPT. .	18 1 11	17 11 26
	OCT. .	17 13 55	17 0 40
	NOV. .	16 2 39	15 16 54
	DEC. .	15 15 23	15 11 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1355. D.		*d. h. m.*	*d. h. m.*
	JAN. .	14 4 8	14 6 55
March. *d. h. m.*	FEB. .	12 16 52	13 1 39
	○	27 11 14	27 9 2
13 8 20	MAR. .	14 5 36	14 18 14
	APRIL	12 18 20	13 7 52
	MAY .	12 7 4	12 18 34
	JUNE .	10 19 48	11 3 0
	JULY .	10 8 32	10 10 12
	AUG. .	8 21 16	8 17 16
	○	23 15 38	23 14 56
	SEPT. .	7 10 0	7 1 15
	OCT. .	6 22 44	6 11 0
	NOV. .	5 11 28	4 23 7
	DEC. .	5 0 12	4 13 49
1356. C.B.	JAN. .	3 12 56	3 6 47
	FEB. .	2 1 40	2 1 6
	○	16 20 2	17 1 1
12 9 9	MAR. .	2 14 24	2 19 26
	APRIL	1 3 8	1 12 32
		30 15 52	1 8 21
	MAY .	30 4 36	30 15 34
	JUNE .	28 17 20	29 1 29
	JULY .	28 6 4	28 9 57
	○	12 0 26	11 15 17
	AUG. .	26 18 48	26 17 58
	SEPT. .	25 7 32	25 2 28
	OCT. .	24 20 16	24 12 10
	NOV. .	23 9 0	22 23 30
	DEC. .	22 21 44	22 12 39
1357. A.	JAN. .	21 10 29	21 3 32
	○	5 4 51	5 16 10
	FEB. .	19 23 13	19 19 45
12 14 58	MAR. .	21 11 57	21 12 38
	APRIL	20 0 41	20 5 20
	MAY .	19 13 25	19 20 52
	JUNE .	18 2 9	18 10 40
	JULY .	17 14 58	17 22 35
	○	1 9 15	31 20 27
	AUG. .	16 3 37	16 8 59
	SEPT. .	14 16 21	14 18 38
	OCT. .	14 5 5	14 4 14
	NOV. .	12 17 49	12 14 23
	DEC. .	12 6 33	12 1 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1358. G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.*	JAN. .	10 19 17	10 13 6
	FEB. .	9 8 1	9 1 49
12 20 47	MAR. .	10 20 45	10 15 29
	APRIL	9 9 29	9 6 9
	MAY .	8 22 13	8 21 30
	JUNE .	7 10 57	7 13 1
	JULY .	6 23 41	7 4 8
	AUG. .	5 12 25	5 18 4
	SEPT. .	4 1 9	4 6 54
	OCT. .	3 13 53	3 18 45
	NOV. .	2 2 37	2 6 0
	DEC. .	1 15 21	1 16 59
		31 4 5	31 3 51
1359. F.	JAN. .	29 16 50	29 14 38
	FEB. .	28 5 34	28 1 25
13 2 36	MAR. .	29 18 18	29 12 38
	APRIL	28 7 2	28 0 45
	MAY .	27 19 46	27 14 8
	○	11 14 8	11 18 57
	JUNE .	26 8 30	26 4 48
	JULY .	25 21 14	25 20 22
	AUG. .	24 9 58	24 12 7
	SEPT. .	22 22 42	23 3 26
	OCT. .	22 11 26	22 17 51
	NOV. .	21 0 10	21 7 10
	○	5 18 32	5 9 26
	DEC. .	20 12 54	20 19 22
1360. E.D.	JAN. .	19 1 39	19 6 29
	FEB. .	17 14 23	17 16 35
12 8 25	MAR. .	18 3 7	18 1 56
	APRIL	16 15 51	16 11 4
	MAY .	16 4 35	15 20 51
	○	30 22 57	31 9 33
	JUNE .	14 17 19	14 8 5
	JULY .	14 6 3	13 21 18
	AUG. .	12 18 47	12 12 34
	SEPT. .	11 7 31	11 5 19
	OCT. .	10 20 15	10 22 39
	NOV. .	9 8 59	9 15 32
	○	24 3 21	23 16 30
	DEC. .	8 21 48	9 7 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1361.		d. h. m.	d. h. m.
C. March. d. h. m. 12 14 13	JAN. .	7 10 27	7 20 48
	FEB. .	5 23 11	6 8 30
	MAR. .	7 11 55	7 18 19
	APRIL	6 0 39	6 2 44
	MAY .	5 13 23	5 10 29
	JUNE .	4 2 7	3 18 29
	JULY .	3 14 51	3 3 49
	AUG. .	2 3 35 31 16 19	1 15 22 31 5 40
	SEPT. .	30 5 3	29 22 30
	OCT. .	29 17 47	29 16 57
	NOV. .	28 6 31	28 11 42
	DEC. .	27 19 15	28 5 17
1362. B. 12 20 2	JAN. .	26 8 0	26 20 39
	FEB. .	24 20 44	25 9 17
	MAR. .	26 9 28	26 19 20
	APRIL	24 22 12	25 3 26
	MAY .	24 10 56	24 10 27
	JUNE .	22 23 40	22 17 24
	JULY .	22 12 24	22 1 25
	AUG. .	21 1 8	20 11 33
	SEPT. .	19 13 52	19 0 34
	○ OCT. .	4 8 14 19 2 36	4 11 27 18 16 39
	NOV. .	17 15 20	17 11 38
	DEC. .	17 4 4	17 6 41
1363. A. 13 1 51	JAN. .	15 16 48	16 1 36
	FEB. .	14 5 33	14 18 26
	MAR. .	15 18 17 30 12 39	16 8 17 30 7 1
	APRIL	14 7 1	14 19 7
	MAY .	13 19 45	14 3 34
	JUNE .	12 8 29	12 10 33
	JULY .	11 21 13	11 17 13
	AUG. .	10 9 57	10 0 38
	SEPT. .	8 22 41 23 17 3	8 9 50 23 22 40
	○ OCT. .	8 11 25	7 21 40
	NOV. .	7 0 9	6 12 30
	DEC. .	6 12 53	6 6 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1364.		d. h. m.	d. h. m.
G.F. March. d. h. m. 12 7 39	JAN. .	5 1 37	5 1 7
	FEB. .	3 14 21	3 20 19
	MAR. .	4 3 5 18 21 27	4 14 1 18 18 4
	APRIL	2 15 49	3 5 6
	MAY .	2 4 33 31 17 17	2 17 10
	JUNE .	30 6 1	1 2 38 30 10 22
	JULY .	29 18 45	29 17 28
	AUG. .	28 7 29	28 1 2
	○ SEPT. .	12 1 51 26 20 13	12 2 43 26 9 56
	OCT. .	26 8 57	25 20 55
	NOV. .	24 21 41	24 10 22
	DEC. .	24 10 25	24 2 12
1365. E. 12 13 28	JAN. .	22 23 10	22 19 49
	FEB. .	21 11 54	21 14 6
	MAR. .	23 0 38	23 7 49
	APRIL	21 13 22	21 23 44
	MAY .	21 2 6	21 18 14
	JUNE .	19 14 50	20 0 18
	JULY .	19 3 34	19 9 31
	AUG. .	17 16 18	17 17 49
	SEPT. .	16 5 2	16 2 10
	OCT. .	15 17 46	15 11 24
	NOV. .	14 6 30	13 22 0
	DEC. .	13 19 14	13 10 13
1366. D. 12 19 17	JAN. .	12 7 59	12 0 7
	○ FEB. .	27 2 21 10 20 43	27 14 21 10 15 28
	MAR. .	12 9 27	12 7 52
	APRIL	10 22 11	11 0 31
	MAY .	10 10 55	10 16 37
	JUNE .	8 23 39	9 7 20
	JULY .	8 12 23	8 20 17
	○ AUG. .	23 6 45 7 1 7	22 18 40 7 7 36
	SEPT. .	5 13 51	5 17 47
	OCT. .	5 2 35	5 3 35
	NOV. .	3 15 19	3 13 36
	DEC. .	3 4 3	3 0 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1367. C.		d. h. m.	d. h. m.
	JAN. ○	1 16 47	1 11 31
		16 11 9	16 21 59
		31 5 31	30 23 35
March. d. h. m. 13 1 6	FEB. .	...	...
	MAR. .	1 18 15	1 12 29
		31 6 59	31 2 22
	APRIL	29 19 43	29 17 9
	MAY .	29 8 27	29 8 31
	JUNE .	27 21 11	27 23 52
	○	12 15 33	12 8 51
	JULY .	27 9 55	27 14 35
	AUG. .	25 22 39	26 4 16
	SEPT. .	24 11 23	24 16 52
	OCT. .	24 0 7	24 4 40
	NOV. .	22 12 51	22 15 57
	DEC. .	22 1 35	22 2 56
	○	5 19 57	5 22 46
1368. B.A.	JAN. .	20 14 20	20 18 40
	FEB. .	19 8 4	19 0 13
12 6 55	MAR. .	19 15 48	19 10 53
	APRIL	18 4 32	17 22 12
	MAY .	17 17 16	17 10 40
	JUNE .	16 6 0	16 0 35
	○	1 0 22	1 2 5
	JULY .	15 18 44	15 15 46
	AUG. .	14 7 28	14 7 39
	SEPT. .	12 20 12	12 23 32
	OCT. .	12 8 56	12 14 44
	NOV. .	10 21 40	11 4 53
	DEC. .	10 10 24	10 17 49
1369. G.	JAN. .	8 23 9	9 5 30
	FEB. .	7 11 53	7 15 59
12 12 44	MAR. .	9 0 37	9 1 27
	APRIL	7 13 21	7 10 22
	MAY .	7 2 5	6 19 30
	JUNE .	5 14 49	5 5 43
	JULY .	5 3 33	4 17 48
	AUG. .	3 16 17	3 8 4
	SEPT. .	2 5 1	2 0 18
	OCT. .	1 17 45	1 17 41
		31 6 29	31 11 10
	○	15 0 51	14 14 26
	NOV. .	29 19 13	30 3 42
	DEC. .	29 7 57	29 18 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1370. F.		d. h. m.	d. h. m.
March. d. h. m. 12 18 32	JAN. .	27 20 41	28 7 13
	FEB. .	26 9 25	26 17 48
	MAR. .	27 22 9	28 2 42
	APRIL	26 10 53	26 10 29
	○	11 5 15	11 13 45
	MAY .	25 23 37	25 18 4
	JUNE .	24 12 21	24 2 30
	JULY .	24 1 5	23 12 47
	AUG. .	22 18 49	22 1 43
	SEPT. .	21 2 33	20 17 27
	OCT. .	20 15 17	20 11 24
	○	4 9 39	4 5 9
	NOV. .	19 4 1	19 6 21
	DEC. .	18 16 45	19 0 49
1371. E.	JAN. .	17 5 30	17 17 27
	FEB. .	15 18 14	16 7 26
13 0 21	MAR. .	17 6 58	17 18 38
	APRIL	15 19 42	16 8 29
	○	30 14 4	30 14 26
	MAY .	15 8 26	15 10 48
	JUNE .	13 21 10	13 17 34
	JULY .	13 9 54	13 0 53
	AUG. .	11 22 38	11 9 51
	SEPT. .	10 11 22	9 21 26
	OCT. .	10 0 6	9 12 5
	○	24 18 28	24 20 59
	NOV. .	8 12 50	8 5 35
	DEC. .	8 1 34	8 0 51
1372. D.C.	JAN. .	6 14 18	6 20 19
	FEB. .	5 3 2	5 14 19
12 6 10	MAR. .	5 15 46	6 5 39
	APRIL	4 4 30	4 17 52
	MAY .	3 17 14	4 3 20
	JUNE .	2 5 58	2 10 52
	JULY .	1 18 42	1 17 35
		31 7 26	31 0 33
	AUG. .	29 20 10	29 8 49
	SEPT. .	28 8 54	27 19 22
	OCT. .	27 21 38	27 8 45
	NOV. .	26 10 22	26 1 0
	DEC. .	25 23 6	25 19 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Mcon. (○ Full Ecl.)
A.D. 1373. B.		d. h. m.	d. h. m.
March. d. h. m. 12 11 59	JAN. .	24 11 51	24 14 48
	FEB. .	23 0 35	23 9 34
	○	9 18 57	9 17 16
	MAR. .	24 13 19	25 1 37
	APRIL	23 2 8	23 15 7
	MAY .	22 14 47	23 1 48
	JUNE .	21 8 31	21 10 19
	JULY .	20 16 15	20 17 42
	AUG. .	19 4 59	19 1 2
	SEPT. .	17 17 43	17 9 20
	OCT. .	17 6 27	16 19 21
	NOV. .	15 19 11	15 7 36
	DEC. .	15 7 55	14 22 18
1374. A.	JAN. .	13 20 40	13 14 53
	FEB. .	12 9 24	12 8 47
	○	27 8 46	27 9 29
12 17 48	MAR. .	13 22 8	14 2 44
	APRIL	12 10 52	12 19 32
	MAY .	11 23 36	12 10 13
	JUNE .	10 12 20	10 22 32
	JULY .	10 1 4	10 8 41
	AUG. .	8 13 48	8 17 31
	○	23 8 10	22 22 14
	SEPT. .	7 2 32	7 1 57
	OCT. .	6 15 16	6 10 52
	NOV. .	5 4 0	4 20 52
	DEC. .	4 16 44	4 8 17
1375. G.	JAN. .	3 5 28	2 21 16
	FEB. .	1 18 12	1 11 42
	○	16 12 34	17 0 34
12 23 37	MAR. .	3 6 56	3 3 21
	APRIL	1 19 40	1 19 43
	MAY .	1 8 24	1 12 0
		30 21 8	31 8 26
	JUNE .	29 9 52	29 17 22
	JULY .	28 22 36	29 5 40
	○	12 16 58	12 3 40
	AUG. .	27 11 20	27 16 35
	SEPT. .	26 0 4	26 2 45
	OCT. .	25 12 48	25 12 50
	NOV. .	24 1 32	23 23 16
	DEC. .	23 14 16	23 10 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	Tr (○ I
A.D. 1376. F.E.		d. h. m.	d.
March. d. h. m. 12 5 25	JAN. .	22 3 1	21 :
	FEB. .	20 15 45	20 1
	MAR. .	21 4 29	20 2
	APRIL	19 17 13	19 1:
	MAY .	19 5 57	19 4
	JUNE .	17 18 41	17 19
	JULY .	17 7 25	17 10
	AUG. .	15 20 9	16 1
	SEPT. .	14 8 53	14 14
	OCT. .	13 21 37	14 2 :
	NOV. .	12 10 21	12 14 :
	DEC. .	11 23 5	12 1 5
1377. D.	JAN. .	10 11 50	10 12 4
	FEB. .	9 0 34	8 23 15
12 11 14	MAR. .	10 13 18	10 9 34
	APRIL	9 2 2	8 20 12
	MAY .	8 14 46	8 7 46
	JUNE .	7 3 30	6 20 46
	○	21 21 52	22 2 21
	JULY .	6 16 14	6 11 18
	AUG. .	5 4 58	5 3 1
	SEPT. .	3 17 42	3 19 12
	OCT. .	3 6 26	3 11 5
	NOV. .	1 19 10	2 2 6
	DEC. ○	1 7 54	1 15 52
		16 2 16	15 17 41
		30 20 38	31 4 15
1378. C.	JAN. .	29 9 22	29 14 15
	FEB. .	27 22 6	28 1 1
12 17 3	MAR. .	29 10 50	29 9 55
	APRIL	27 23 34	27 18 37
	MAY .	27 12 18	27 3 58
	○	11 6 40	11 16 39
	JUNE .	26 1 2	25 14 53
	JULY .	25 13 46	25 4 0
	AUG. .	24 2 30	23 19 24
	SEPT. .	22 15 14	22 12 30
	OCT. .	22 3 58	22 6 20
	NOV. .	20 16 42	20 23 42
	○	5 11 4	5 1 10
	DEC. .	20 5 26	20 15 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1379.		d. h. m.	d. h. m.
B. March. d. h. m. 12 22 52	JAN.	18 18 11	19 5 27
	FEB.	17 6 55	17 17 0
	MAR.	18 19 39	19 2 32
	APRIL	17 8 23	17 10 36
	MAY	16 21 7	16 18 0
	○	31 15 29	1 0 11
	JUNE	15 9 51	15 1 44
	JULY	14 22 35	14 10 54
	AUG.	13 11 19	12 22 28
	SEPT.	12 0 8	11 12 53
	OCT.	11 12 47	11 5 57
	NOV.	10 1 31	10 0 45
	DEC.	9 14 15	9 19 46
1380. A.G. 12 4 41	JAN.	8 3 0	8 13 33
	FEB.	6 15 44	7 4 56
	MAR.	7 4 28	7 17 25
	APRIL	5 17 12	6 8 15
	MAY	5 5 56	5 11 6
	JUNE	3 18 40	3 17 56
	JULY	3 7 24	3 0 47
	AUG.	1 20 8	1 8 49
		31 8 52	30 19 4
	SEPT.	29 21 36	29 8 13
	○	14 15 58	14 19 49
	OCT.	29 10 20	29 0 27
	NOV.	27 23 4	27 19 8
	DEC.	27 11 48	27 14 40
1381. F. 12 10 30	JAN.	26 0 32	26 9 34
	FEB.	24 13 16	25 2 16
	MAR.	26 2 0	26 15 58
	○	9 20 22	9 14 23
	APRIL	24 14 44	25 2 39
	MAY	24 3 28	24 10 59
	JUNE	22 16 12	22 17 59
	JULY	22 4 56	22 0 44
	AUG.	20 17 40	20 8 19
	SEPT.	19 6 24	18 17 45
	○	4 0 46	4 6 27
	OCT.	18 19 8	18 5 46
	NOV.	17 7 52	16 20 39
	DEC.	16 20 36	16 14 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1382.		d. h. m.	d. h. m.
E. March. d. h. m. 12 16 18	JAN.	15 9 21	15 9 2
	FEB.	13 22 5	14 3 59
	MAR.	15 10 49	15 21 26
	○	30 5 11	30 2 0
	APRIL	13 23 33	14 12 21
	MAY	13 12 17	14 0 21
	JUNE	12 1 1	12 9 53
	JULY	11 13 45	11 17 47
	AUG.	10 2 29	10 1 9
	SEPT.	8 15 13	8 9 3
	○	23 9 35	23 9 59
	OCT.	8 3 57	7 18 16
	NOV.	6 16 41	6 5 27
	DEC.	6 5 25	5 18 53
1383. D. 12 22 7	JAN.	4 18 9	4 10 28
	FEB.	3 6 53	3 3 40
	MAR.	4 19 33	4 21 32
	APRIL	3 8 22	3 14 50
	MAY	2 21 6	3 6 34
	JUNE	1 9 50	1 20 5
		30 22 34	1 7 21
	JULY	30 11 18	30 16 55
	AUG.	29 0 2	29 1 39
	SEPT.	27 12 46	27 10 26
	OCT.	27 1 30	26 20 2
	NOV.	25 14 14	25 6 48
	DEC.	25 2 58	24 18 58
1384. C.B. 12 3 56	JAN.	23 15 42	23 8 30
	○	7 10 4	7 22 45
	FEB.	22 4 26	21 23 19
	MAR.	22 17 10	22 15 7
	APRIL	21 5 54	21 7 18
	MAY	20 18 38	20 23 9
	JUNE	19 7 22	19 13 55
	JULY	18 20 6	19 3 11
	○	2 14 28	2 1 55
	AUG.	17 8 50	17 14 57
	SEPT.	15 21 34	16 1 41
	OCT.	15 10 18	15 12 0
	NOV.	13 23 2	13 22 25
	DEC.	13 11 46	13 9 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1385.		d. h. m.	d. h. m.
A.	JAN. .	12 0 30	11 20 20
	○	26 18 52	27 6 4
March. d. h. m.	FEB. .	10 13 15	10 8 1
12 9 45	MAR. .	12 1 59	11 20 20
	APRIL	10 14 48	10 9 35
	MAY .	10 3 27	9 23 52
	JUNE .	8 16 11	8 14 58
	JULY .	8 4 55	8 6 23
	○	22 23 17	22 16 21
	AUG. .	6 17 39	6 21 25
	SEPT. .	5 6 23	5 11 38
	OCT. .	4 19 7	5 0 51
	NOV. .	3 7 51	3 18 12
	DEC. .	2 20 35	3 0 51
1386. G.	JAN. ○	1 9 19	1 11 53
		16 3 41	16 6 42
		30 22 3	30 22 25
	FEB. .	...	...
12 15 34	MAR. .	1 10 47	1 8 32
		30 23 31	30 18 40
	APRIL	29 12 15	29 5 26
	MAY .	29 0 59	28 17 27
	JUNE .	27 18 43	27 7 6
	○	12 8 5	12 9 32
	JULY .	27 2 27	26 22 20
	AUG. .	25 15 11	25 14 32
	SEPT. .	24 3 55	24 6 55
	OCT. .	23 16 39	23 22 43
	NOV. .	22 5 23	22 13 23
	DEC. .	21 18 7	22 2 37
1387. F.	JAN. .	20 6 51	20 14 18
	FEB. .	18 19 36	19 0 33
12 21 23	MAR. .	20 8 20	20 9 37
	APRIL	18 21 4	18 18 5
	MAY .	18 9 48	18 2 47
	JUNE .	16 22 32	16 12 39
	JULY .	16 11 16	16 0 33
	AUG. .	15 0 0	14 14 52
	SEPT. .	13 12 44	13 7 21
	OCT. .	13 1 28	13 1 10
	NOV. .	11 14 12	11 19 8
	○	26 8 34	25 23 9
	DEC. .	11 2 56	11 12 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1388. E.D.		d. h. m.	d. h. m.
March. d. h. m.	JAN. .	9 15 41	10 8 6
12 3 12	FEB. .	8 4 25	8 15 45
	MAR. .	8 17 9	9 2 7
	APRIL	7 5 53	7 10 40
	MAY .	6 18 37	6 18 7
	○	21 12 59	21 20 24
	JUNE .	5 7 21	5 1 26
	JULY .	4 20 5	4 9 41
	AUG. .	3 8 49	2 19 55
	SEPT. .	1 21 33	1 8 56
	OCT. .	1 10 17	1 0 50
		30 23 1	30 19 4
	○	14 17 23	14 13 59
	NOV. .	29 11 45	29 14 18
	DEC. .	29 0 29	29 9 0
1389. C.	JAN. .	27 13 13	28 1 41
	FEB. .	26 1 57	26 15 34
12 9 0	MAR. .	27 14 41	28 2 34
	APRIL	26 3 25	26 11 12
	○	10 21 47	10 21 3
	MAY .	25 16 9	25 18 19
	JUNE .	24 4 53	24 0 58
	JULY .	23 17 37	23 8 18
	AUG. .	22 6 21	21 17 22
	SEPT. .	20 19 5	20 5 5
	OCT. .	20 7 49	19 19 52
	○	4 2 11	4 5 37
	NOV. .	18 20 33	18 13 23
	DEC. .	18 9 17	18 8 49
1390. B.	JAN. .	16 22 2	17 4 16
	FEB. .	15 10 46	15 22 10
12 14 49	MAR. .	16 23 30	17 13 20
	APRIL	15 12 14	16 1 24
	○	30 6 36	30 0 15
	MAY .	15 0 58	15 10 46
	JUNE .	13 13 42	13 18 18
	JULY .	13 2 26	13 1 3
	AUG. .	11 15 10	11 8 12
	SEPT. .	10 3 54	9 16 44
	OCT. .	9 16 38	9 3 29
	NOV. .	8 5 22	7 16 59
	DEC. .	7 18 6	7 9 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1391.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 12 20 38	JAN.	6 6 51	6 8 27
	FEB.	4 19 35	4 22 28
	MAR.	6 8 19	6 16 41
	○	21 2 41	21 1 24
	APRIL	4 21 3	5 8 52
	MAY	4 9 47	4 22 15
	JUNE	2 22 31	3 8 58
	JULY	2 11 15	2 17 37
		31 23 59	1 1 16
	AUG.	30 12 43	30 8 57
	SEPT.	29 1 27	28 17 35
	OCT.	28 14 11	28 3 52
	NOV.	27 2 55	26 16 12
	DEC.	26 15 39	26 6 39
1392. G.F. 12 2 27	JAN.	25 4 23	24 22 57
	FEB.	23 17 7	23 16 21
	○	9 11 29	9 17 49
	MAR.	24 5 51	24 9 51
	APRIL	22 18 35	23 2 21
	MAY	22 7 19	22 16 59
	JUNE	20 20 3	21 5 25
	JULY	20 8 47	20 15 54
	AUG.	18 21 31	19 1 9
	○	2 15 53	2 5 16
	SEPT.	17 10 15	17 10 2
	OCT.	16 22 59	16 19 22
	NOV.	15 11 43	15 5 39
	DEC.	15 0 27	14 17 6
1393. E. 12 8 16	JAN.	13 13 11	13 5 50
	FEB.	12 1 56	11 19 48
	○	26 20 18	27 8 51
	MAR.	13 14 40	13 10 52
	APRIL	12 3 24	12 2 40
	MAY	11 16 8	11 18 36
	JUNE	10 4 52	10 9 58
	JULY	9 17 36	10 0 8
	AUG.	8 6 20	8 12 49
	○	28 0 42	22 11 3
	SEPT.	6 19 4	7 0 17
	OCT.	6 7 48	6 11 0
	NOV.	4 20 32	4 21 33
	DEC.	4 9 16	4 8 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1394.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 12 14 4	JAN.	2 22 1	2 19 10
	FEB.	1 10 45	1 6 25
	MAR.	2 23 29	2 18 6
	APRIL	1 12 13	1 6 33
	MAY	1 0 57	30 20 3
		30 13 41	30 10 36
	JUNE	29 2 25	29 1 54
	JULY	28 15 9	28 17 19
	AUG.	27 3 53	27 8 14
	SEPT.	25 16 37	25 22 15
	OCT.	25 5 21	25 11 18
	NOV.	23 18 5	23 23 30
	DEC.	23 6 49	23 10 55
1395. C. 12 19 53	JAN.	21 19 33	21 21 38
	FEB.	20 8 17	20 7 46
	MAR.	21 21 1	21 17 35
	APRIL	20 9 45	20 3 39
	MAY	19 22 29	19 14 44
	JUNE	18 11 13	18 3 24
	○	3 5 35	3 9 44
	JULY	17 23 57	17 17 51
	AUG.	16 12 41	16 9 44
	SEPT.	15 1 25	15 2 21
	OCT.	14 14 9	14 18 50
	NOV.	13 2 53	13 10 23
	DEC.	12 15 37	13 0 32
	○	27 9 59	27 1 56
1396. B.A. 12 1 42	JAN.	11 4 21	11 13 3
	FEB.	9 17 6	9 23 56
	MAR.	10 5 50	10 9 21
	APRIL	8 18 34	8 17 50
	MAY	8 7 18	8 2 4
	JUNE	6 20 2	6 11 4
	○	21 14 24	21 23 43
	JULY	6 8 46	5 21 46
	AUG.	4 21 30	4 10 50
	SEPT.	3 10 14	3 2 23
	OCT.	2 22 58	2 19 50
	NOV.	1 11 42	1 14 7
	DEC. ○	1 0 26	1 7 56
		15 18 48	15 9 52
		30 13 10	31 0 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1397.		d. h. m.	d. h. m.	A.D. 1400.		d. h. m.	d. h. m.
G. March. d. h. m. 12 7 31	JAN. .	29 1 55	29 13 59	D.C. March. d. h. m. 12 0 57	JAN. .	26 17 5	26 16 52
	FEB. .	27 14 39	28 1 23		FEB. .	25 5 49	25 11 29
	MAR. .	29 3 23	29 10 36		MAR. .	25 18 33	26 4 40
	APRIL	27 16 7	27 18 20		○	9 12 55	9 9 50
	MAY .	27 4 51	27 1 28		APRIL	24 7 17	24 19 26
	○	10 23 13	11 6 50		MAY .	23 20 1	24 7 27
	JUNE .	25 17 35	25 8 59		JUNE .	22 8 45	22 17 6
	JULY .	25 6 19	24 18 6		JULY .	21 21 29	22 1 15
	AUG. .	23 19 3	23 5 41		AUG. .	20 10 13	20 8 57
	SEPT. .	22 7 47	21 20 14		SEPT. .	18 22 57	18 17 12
	OCT. .	21 20 31	21 13 33		○	3 17 19	3 17 23
	NOV. .	20 9 15	20 8 36		OCT. .	18 11 41	18 2 44
	DEC. .	19 21 59	20 3 52		NOV. .	17 0 25	16 14 5
					DEC. .	16 13 9	16 3 28
1398. F. 12 13 20	JAN. .	18 10 43	18 21 44	1401. B. 12 6 46	JAN. .	15 1 53	14 18 44
	FEB. .	16 23 27	17 13 4		FEB. .	13 14 37	13 11 27
	MAR. .	18 12 11	19 1 23		MAR. .	15 3 21	15 4 47
	APRIL	17 0 55	17 10 59		APRIL	13 16 5	13 21 43
	MAY .	16 13 39	16 18 40		MAY .	13 4 49	13 13 17
	JUNE .	15 2 23	15 1 22		JUNE .	11 17 33	12 2 51
	JULY .	14 15 7	14 8 13		JULY .	11 6 17	11 14 24
	AUG. .	13 3 51	12 16 19		AUG. .	9 19 1	10 0 21
	SEPT. .	11 16 35	11 2 42		SEPT. .	8 7 45	8 9 34
	OCT. .	11 5 19	10 16 2		OCT. .	7 20 29	7 18 49
	○	25 23 41	26 4 16		NOV. .	6 9 13	6 4 45
	NOV. .	9 18 3	9 8 22		DEC. .	5 21 57	5 15 39
	DEC. .	9 6 47	9 3 1				
1399. E. 12 19 9	JAN. .	7 19 32	7 22 37	1402. A. 12 12 35	JAN. .	4 10 42	4 3 42
	FEB. .	6 8 16	6 17 23		FEB. .	2 23 26	2 16 50
	MAR. .	7 21 0	8 9 57		○	17 17 48	18 7 3
	APRIL	6 9 44	6 23 30		MAR. .	4 12 10	4 7 4
	○	21 4 6	20 21 41		APRIL	3 0 54	2 22 16
	MAY .	5 22 28	6 10 5		MAY .	2 13 33	2 14 1
	JUNE .	4 11 12	4 18 21		JUNE .	1 2 22	1 5 40
	JULY .	3 23 56	4 1 26			30 15 6	30 20 30
	AUG. .	2 12 40	2 8 21		JULY .	30 3 50	30 10 7
	SEPT. .	1 1 24	31 16 12		○	13 22 12	13 9 19
		30 14 8	30 1 52		AUG. .	28 16 31	28 22 25
	○	15 8 30	15 14 23		SEPT. .	27 5 18	27 9 45
	OCT. .	30 2 52	29 14 3		OCT. .	26 18 2	26 20 33
	NOV. .	28 15 36	28 4 56		NOV. .	25 6 46	25 7 18
	DEC. .	28 4 20	27 22 13		DEC. .	24 19 30	24 18 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1403. G.		d. h. m.	d. h. m.
	JAN.	23 8 14	23 5 6
March. d. h. m. 12 18 24	○	7 2 36	7 14 1
	FEB.	21 20 58	21 16 19
	MAR.	23 9 42	23 4 3
	APRIL	21 22 26	21 16 41
	MAY	21 11 10	21 6 31
	JUNE	19 23 54	19 21 25
	JULY	19 12 38	19 12 54
	○	3 7 0	2 23 56
	AUG.	18 1 22	18 4 19
	SEPT.	16 14 6	16 19 6
	OCT.	16 2 50	16 8 57
	NOV.	14 15 34	14 21 48
	DEC.	14 4 18	14 9 44
1404. F.E.	JAN.	12 17 3	12 20 49
	○	27 11 25	27 14 29
	FEB.	11 5 47	11 7 6
12 0 13	MAR.	11 18 31	11 16 46
	APRIL	10 7 15	10 2 22
	MAY	9 19 59	9 12 36
	JUNE	8 8 43	8 0 14
	JULY	7 21 27	7 18 42
	○	22 15 49	22 17 4
	AUG.	6 10 11	6 4 59
	SEPT.	4 22 55	4 21 31
	OCT.	4 11 39	4 14 26
	NOV.	3 0 23	3 6 49
	DEC.	2 13 7	2 21 57
1405. D.	JAN.	1 1 52	1 11 21
		30 14 36	30 23 2
	FEB.	...	...
12 6 2	MAR.	1 3 20	1 9 0
		30 16 4	30 17 41
	APRIL	29 4 48	29 1 48
	MAY	28 17 32	28 10 2
	JUNE	27 6 16	26 19 33
	JULY	26 19 0	26 7 26
	AUG.	25 7 44	24 21 49
	SEPT.	23 20 28	23 14 33
	OCT.	23 9 12	23 8 48
	NOV.	21 21 56	22 3 11
	○	6 16 18	6 7 56
	DEC.	21 10 40	21 20 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1406. C.		d. h. m.	d. h. m.
	JAN.	19 23 24	20 11 35
March. d. h. m. 12 11 50	FEB.	18 12 8	19 0 8
	MAR.	20 0 52	20 10 16
	APRIL	18 13 36	18 18 29
	MAY	18 2 20	18 1 39
	○	1 20 42	2 2 58
	JUNE	16 15 4	16 8 45
	JULY	16 3 48	15 16 54
	AUG.	14 16 32	14 3 9
	SEPT.	13 5 16	12 16 16
	OCT.	12 13 0	12 8 23
	NOV.	11 6 44	11 2 51
	○	26 1 6	25 22 53
	DEC.	10 19 28	10 22 18
1407. B.	JAN.	9 8 13	9 17 6
	FEB.	7 20 57	8 9 48
12 17 39	MAR.	9 9 41	9 23 33
	APRIL	7 22 25	8 10 22
	MAY	7 11 9	7 18 47
	○	22 5 31	22 3 38
	JUNE	5 23 53	6 1 47
	JULY	5 12 37	5 8 26
	AUG.	4 1 21	3 15 50
	SEPT.	2 14 5	2 1 2
	OCT.	2 2 49	1 12 54
		31 15 33	31 3 51
	○	15 9 55	15 14 19
	NOV.	30 4 17	29 21 30
	DEC.	29 17 1	29 16 47
1408. A.G.	JAN.	28 5 46	28 12 7
	FEB.	26 18 30	27 5 51
11 23 28	MAR.	27 7 14	27 20 52
	APRIL	25 19 58	26 8 49
	○	10 14 20	10 7 16
	MAY	25 8 42	25 18 8
	JUNE	23 21 26	24 1 42
	JULY	23 10 10	23 8 33
	AUG.	21 22 54	21 16 0
	SEPT.	20 11 38	20 0 49
	OCT.	20 0 22	19 11 46
	NOV.	18 13 6	18 1 20
	DEC.	18 1 50	17 17 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1409.		d. h. m.	d. h. m.
F. March. d. h. m. 12 5 17	JAN.	16 14 34	16 11 24
	FEB.	15 8 18	15 6 2
	MAR.	16 16 2	16 23 56
	○	31 10 24	31 9 22
	APRIL	15 4 46	15 15 54
	MAY	14 17 30	15 5 16
	JUNE	13 6 14	13 16 3
	JULY	12 18 58	13 0 56
	AUG.	11 7 42	11 8 55
	SEPT.	9 20 26	9 16 59
	OCT.	9 9 10	9 1 58
	NOV.	7 21 54	7 12 29
	DEC.	7 10 38	7 0 51
1410. E. 12 11 6	JAN.	5 23 23	5 15 6
	FEB.	4 12 7	4 6 57
	MAR.	6 0 51	5 23 48
	○	20 19 13	21 2 1
	APRIL	4 13 35	4 16 51
	MAY	4 2 19	4 9 4
	JUNE	2 15 8	2 23 41
	JULY	2 3 47	2 12 20
		31 16 31	31 23 10
	AUG.	30 5 15	30 8 54
	○	13 23 37	13 12 30
	SEPT.	28 17 59	28 18 17
	OCT.	28 6 43	28 4 1
	NOV.	26 19 27	26 14 31
	DEC.	26 8 11	26 1 57
1411. D. 12 16 55	JAN.	24 20 56	24 14 23
	FEB.	23 9 40	23 3 48
	○	10 4 2	10 16 58
	MAR.	24 22 24	24 18 15
	APRIL	23 11 8	23 9 31
	MAY	22 23 52	23 1 7
	JUNE	21 12 36	21 16 27
	JULY	21 1 20	21 6 51
	AUG.	19 14 4	19 20 3
	○	3 8 26	2 18 34
	SEPT.	18 2 48	18 8 6
	OCT.	17 15 32	17 19 24
	NOV.	16 4 16	16 6 20
	DEC.	15 17 0	15 17 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1412.		d. h. m.	d. h. m.
C.B. March. d. h. m. 11 22 48	JAN.	14 5 44	14 4 3
	FEB.	12 18 28	12 14 55
	MAR.	13 7 12	13 2 4
	APRIL	11 19 56	11 13 54
	MAY	11 8 40	11 2 52
	JUNE	9 21 24	9 17 7
	JULY	9 10 8	9 8 21
	AUG.	7 22 52	8 0 2
	SEPT.	6 11 36	6 15 26
	OCT.	6 0 20	6 6 5
	NOV.	4 13 4	4 19 44
	DEC.	4 1 48	4 8 17
1413. A. 12 4 32	JAN.	2 14 33	2 19 52
	FEB.	1 3 17	1 6 26
	MAR.	2 16 1	2 16 11
	APRIL	1 4 45	1 1 29
		30 17 29	30 11 2
	MAY	30 6 13	29 21 40
	JUNE	28 18 57	28 10 4
	○	13 13 19	13 17 10
	JULY	28 7 41	28 0 28
	AUG.	26 20 25	26 16 35
	SEPT.	25 9 9	25 9 40
	OCT.	24 21 53	25 2 42
	NOV.	23 10 37	23 18 46
	DEC.	22 23 21	23 9 14
1414. G. 12 10 21	○	6 17 43	6 10 13
	JAN.	21 12 5	21 21 47
	FEB.	20 0 49	20 8 28
	MAR.	21 13 33	21 17 33
	APRIL	20 2 17	20 1 34
	MAY	19 15 1	19 9 27
	JUNE	18 3 45	17 18 9
	○	2 22 7	3 6 46
	JULY	17 16 29	17 4 42
	AUG.	16 5 13	15 17 46
	SEPT.	14 17 57	14 9 29
	OCT.	14 6 41	14 3 18
	NOV.	12 19 25	12 22 0
	DEC.	12 8 9	12 16 8
	○	27 2 31	26 18 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1415. F. March. d. h. m. 12 16 10	JAN.	10 20 54	11 8 32
	FEB.	9 9 38	9 22 23
	MAR.	10 22 22	11 9 35
	APRIL	9 11 6	9 18 30
	MAY	8 23 50	9 1 57
	JUNE	7 12 34	7 8 51
	○	22 6 56	22 13 25
	JULY	7 1 18	6 16 18
	AUG.	5 14 2	5 1 23
	SEPT.	4 2 46	3 13 2
	OCT.	3 15 30	3 3 46
	NOV.	2 4 14	1 21 17
	DEC.	1 16 58	1 16 31
		31 5 42	31 11 54
1416. E.D. 11 21 59	JAN.	29 18 27	30 5 48
	FEB.	28 7 11	28 21 2
	MAR.	28 19 55	29 9 11
	APRIL	27 8 39	27 18 37
	MAY	26 21 23	27 2 8
	JUNE	25 10 7	25 8 48
	JULY	24 22 51	24 15 43
	AUG.	23 11 35	22 23 59
	SEPT.	22 0 19	21 10 32
	OCT.	21 13 8	21 0 1
	○	5 7 25	5 12 48
	NOV.	20 1 47	19 16 25
	DEC.	19 14 31	19 11 1
1417. C. 12 8 48	JAN.	18 8 15	18 6 38
	FEB.	16 15 59	17 1 4
	MAR.	18 4 43	18 17 27
	APRIL	16 17 27	17 6 52
	○	1 11 49	1 4 54
	MAY	16 6 11	16 17 23
	JUNE	14 18 55	15 1 42
	JULY	14 7 39	14 8 54
	AUG.	12 20 23	12 16 8
	SEPT.	11 9 7	11 0 10
	OCT.	10 21 51	10 10 6
	○	25 16 13	25 22 24
	NOV.	9 10 35	8 22 25
	DEC.	8 23 19	8 13 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1418. B. March. d. h. m. 12 9 36	JAN.	7 12 4	7 6 19
	FEB.	6 0 48	6 0 36
	MAR.	7 13 32	7 18 50
	APRIL	6 2 16	6 11 45
	○	20 20 38	20 17 31
	MAY	5 15 0	6 2 23
	JUNE	4 3 44	4 14 27
	JULY	3 16 28	4 0 17
	AUG.	2 5 12	2 8 45
		31 17 56	31 16 51
	SEPT.	30 6 40	30 1 28
	○	15 1 2	15 0 53
	OCT.	29 19 24	29 11 20
	NOV.	28 8 8	27 22 48
	DEC.	27 20 52	27 12 2
1419. A. 12 15 25	JAN.	26 9 37	26 2 56
	FEB.	24 22 21	24 19 7
	MAR.	26 11 5	26 11 56
	○	10 5 27	10 10 5
	APRIL	24 23 49	25 4 30
	MAY	24 12 33	24 19 55
	JUNE	23 1 17	23 9 37
	JULY	22 14 1	22 21 29
	AUG.	21 2 45	21 7 55
	SEPT.	19 15 29	19 17 37
	OCT.	19 4 13	19 3 21
	NOV.	17 16 57	17 13 36
	DEC.	17 5 41	17 0 35
1420. G.F. 11 21 14	JAN.	15 18 25	15 12 23
	FEB.	14 7 9	14 1 4
	○	29 1 31	29 15 9
	MAR.	14 19 53	14 14 42
	APRIL	13 8 37	13 5 18
	MAY	12 21 21	12 20 36
	JUNE	11 10 5	11 12 5
	JULY	10 22 49	11 3 6
	AUG.	9 11 33	9 17 6
	○	24 5 55	23 16 50
	SEPT.	8 0 17	8 5 59
	OCT.	7 13 1	7 17 53
	NOV.	6 1 45	6 5 13
	DEC.	5 14 29	5 16 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1421. E.		d. h. m.	d. h. m.
	JAN.	4 8 14	4 8 6
March. d. h. m. 12 8 3	FEB.	2 15 58	2 13 48
	○	17 10 20	17 21 51
	MAR.	4 4 42	4 0 31
	APRIL	2 17 26	2 11 40
	MAY	2 6 10	1 23 45
		31 18 54	31 13 9
	JUNE	30 7 38	30 8 52
	JULY	29 20 22	29 19 30
	○	13 14 44	13 7 37
	AUG.	28 9 6	28 11 20
	SEPT.	26 21 50	27 2 42
	OCT.	26 10 34	26 17 9
	NOV.	24 23 18	25 6 29
	DEC.	24 12 2	24 18 39
1422. D.	JAN.	23 0 47	23 5 40
	○	6 19 9	6 22 13
	FEB.	21 13 31	21 15 37
12 8 52	MAR.	23 2 15	23 0 52
	APRIL	21 14 59	21 9 57
	MAY	21 8 43	20 19 43
	JUNE	19 16 27	19 7 1
	JULY	19 5 11	18 20 21
	○	2 23 38	3 0 40
	AUG.	17 17 55	17 11 45
	SEPT.	16 6 39	16 4 40
	OCT.	15 19 23	15 22 4
	NOV.	14 8 7	14 14 59
	DEC.	13 20 51	14 6 30
1423. C.	JAN.	12 9 35	12 20 6
	FEB.	10 22 19	11 7 38
12 14 41	MAR.	12 11 3	12 17 17
	APRIL	10 23 47	11 1 35
	MAY	10 12 31	10 9 15
	JUNE	9 1 15	8 17 15
	JULY	8 13 59	8 2 40
	AUG.	7 2 43	6 14 24
	SEPT.	5 15 27	5 4 53
	OCT.	5 4 11	4 21 55
	NOV.	3 16 55	3 16 30
	DEC.	3 5 39	3 11 16
	○	18 0 1	17 16 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1424. B.A.		d. h. m.	d. h. m.
	JAN.	1 18 24	2 4 46
March. d. h. m. 11 20 29		31 7 8	31 19 58
	FEB.	29 19 52	1 8 25
	MAR.	30 8 36	30 18 16
	APRIL	28 21 20	29 2 13
	MAY	28 10 4	28 9 9
	○	12 4 26	12 9 29
	JUNE	26 22 48	26 16 7
	JULY	26 11 32	26 0 15
	AUG.	25 0 16	24 10 33
	SEPT.	23 13 0	22 23 48
	OCT.	23 1 44	22 16 5
	NOV.	21 14 28	21 10 43
	○	6 8 50	6 7 50
	DEC.	21 8 12	21 6 18
1425. G.	JAN.	19 15 57	20 1 8
	FEB.	18 4 41	18 17 46
12 2 18	MAR.	19 17 25	20 7 23
	APRIL	18 6 9	18 18 1
	MAY	17 18 53	18 2 18
	○	1 13 15	1 10 8
	JUNE	16 7 37	16 9 14
	JULY	15 20 21	15 15 55
	AUG.	14 9 5	13 23 28
	SEPT.	12 21 49	12 8 52
	OCT.	12 10 33	11 20 54
	NOV.	10 23 17	10 11 55
	○	25 17 39	25 23 8
	DEC.	10 12 1	10 5 34
1426. F.	JAN.	9 0 45	9 0 43
	FEB.	7 13 29	7 19 50
12 8 7	MAR.	9 2 13	9 13 21
	APRIL	7 14 57	8 4 12
	MAY	7 3 41	7 16 5
	○	21 22 3	21 14 12
	JUNE	5 16 25	6 1 24
	JULY	5 5 9	5 9 6
	AUG.	3 17 53	3 16 15
	SEPT.	2 6 37	1 23 54
	OCT.	1 19 21	1 9 0
		31 8 5	30 20 10
	NOV.	29 20 49	29 9 46
	DEC.	29 9 33	29 1 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1427.		d. h. m.	d. h. m.
E. March. d. h. m. 12 18 56	JAN.	27 22 18	27 19 19
	FEB.	26 11 2	26 18 33
	MAR.	27 23 46	28 7 5
	○	11 18 8	11 17 15
	APRIL	26 12 30	26 22 50
	MAY	26 1 14	26 12 10
	JUNE	24 13 58	24 23 8
	JULY	24 2 42	24 8 19
	AUG.	22 15 26	22 16 40
	SEPT.	21 4 10	21 1 9
	OCT.	20 16 54	20 10 30
	NOV.	19 5 38	18 21 14
	DEC.	18 18 22	18 9 33
1428. D.C. 11 19 45	JAN.	17 7 6	16 23 29
	FEB.	15 19 50	15 14 50
	MAR.	16 8 34	16 7 9
	○	31 2 56	31 10 2
	APRIL	14 21 18	14 23 43
	MAY	14 10 2	14 15 41
	JUNE	12 22 46	13 6 19
	JULY	12 11 30	12 19 12
	AUG.	11 0 14	11 6 30
	SEPT.	9 12 58	9 16 44
	○	24 7 20	23 19 53
	OCT.	9 1 42	9 2 38
	NOV.	7 14 26	7 12 46
	DEC.	7 3 10	6 23 27
1429. B. 12 1 34	JAN.	5 15 55	5 10 48
	FEB.	4 4 39	3 22 49
	MAR.	5 17 23	5 11 41
	○	20 11 45	21 0 54
	APRIL	4 6 7	4 1 31
	MAY	3 18 51	3 16 15
	JUNE	2 7 35	2 7 35
	JULY	1 20 19	1 22 55
		31 9 3	31 13 39
	AUG.	29 21 47	30 3 21
	○	13 16 9	13 2 15
	SEPT.	28 10 31	28 16 1
	OCT.	27 23 15	28 3 52
	NOV.	26 11 59	26 15 12
	DEC.	26 0 43	26 2 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1430.		d. h. m.	d. h. m.
A. March. d. h. m. 12 7 22	JAN.	24 13 28	24 12 52
	FEB.	23 2 12	22 23 20
	MAR.	24 14 56	24 9 55
	APRIL	23 8 40	22 21 11
	MAY	22 16 24	22 9 40
	JUNE	21 5 8	20 23 37
	JULY	20 17 52	20 14 52
	AUG.	19 6 36	19 6 51
	○	3 0 58	2 15 39
	SEPT.	17 19 20	17 22 47
	OCT.	17 8 4	17 14 3
	NOV.	15 20 48	16 4 14
	DEC.	15 9 32	15 17 7
1431. G. 12 13 11	JAN.	13 22 16	14 4 44
	FEB.	12 11 0	12 15 4
	MAR.	13 23 44	14 0 25
	APRIL	12 12 28	12 9 5
	MAY	12 1 12	11 18 20
	JUNE	10 13 56	10 4 35
	JULY	10 2 40	9 16 45
	○	24 21 2	25 0 36
	AUG.	8 15 24	8 7 10
	SEPT.	7 4 8	6 23 33
	OCT.	6 16 52	6 17 5
	NOV.	5 5 36	5 10 38
	DEC.	4 18 20	5 3 8
1432. F.E. 11 19 0	JAN.	3 7 5	3 17 53
	○	18 1 27	17 18 27
	FEB.	1 19 49	2 6 25
	MAR.	2 8 33	2 16 52
		31 21 17	
	APRIL	30 10 1	1 1 35 / 30 9 17
	MAY	29 22 45	29 16 49
	JUNE	28 11 29	28 1 17
	○	13 5 51	13 18 51
	JULY	28 0 13	27 11 44
	AUG.	26 12 57	26 0 51
	SEPT.	25 1 41	24 16 48
	OCT.	24 14 25	24 10 54
	NOV.	23 8 9	23 5 56
	DEC.	22 15 53	23 0 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1433. D.		d. h. m.	d. h. m.
	○	6 10 15	6 8 19
March. d. h. m. 12 0 49	JAN. .	21 4 38	21 16 52
	FEB. .	19 17 22	20 6 39
	MAR. .	21 6 6	21 17 38
	APRIL	19 18 50	20 2 19
	MAY .	19 7 34	19 9 32
	JUNE .	17 20 18	17 16 16
	○	2 14 40	2 20 1
	JULY .	17 9 2	16 23 40
	AUG. .	15 21 46	15 8 47
	SEPT. .	14 10 30	13 20 34
	OCT. .	13 23 14	13 11 27
	NOV. .	12 11 58	12 5 8
	DEC. .	12 0 42	12 0 28
1434. C. 12 6 38	JAN. .	10 13 26	10 19 55
	FEB. .	9 2 10	9 13 54
	MAR. .	10 14 54	11 4 50
	APRIL	9 8 38	9 16 51
	MAY .	8 16 22	9 2 8
	JUNE .	7 5 6	7 9 35
	JULY .	6 17 50	6 16 17
	AUG. .	5 6 34	4 23 18
	SEPT. .	3 19 18	3 7 46
	OCT. .	3 8 2	2 18 32
	NOV. .	1 20 46	1 8 6
	DEC. .	1 9 30	1 0 31
		30 22 14	30 19 1
1435. B. 12 12 27	JAN. .	29 10 59	29 14 17
	FEB. .	27 23 48	28 8 38
	MAR. .	29 12 27	30 0 47
	APRIL	28 1 11	28 14 6
	○	12 19 33	12 12 4
	MAY .	27 13 55	28 0 37
	JUNE .	26 2 39	26 9 2
	JULY .	25 15 23	25 16 25
	AUG. .	24 4 7	23 23 52
	SEPT. .	22 16 51	22 8 19
	OCT. .	22 5 35	21 18 31
	○	5 23 57	6 6 31
	NOV. .	20 18 19	20 6 56
	DEC. .	20 7 3	19 21 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1436. A.G.		d. h. m.	d. h. m.
March. d. h. m. 11 18 15	JAN. .	18 19 48	18 14 24
	FEB. .	17 8 32	17 8 16
	MAR. .	17 21 16	18 2 5
	APRIL	16 10 0	16 18 41
	○	1 4 22	1 1 8
	MAY .	15 22 44	16 9 14
	JUNE .	14 11 28	14 21 24
	JULY .	14 0 12	14 7 31
	AUG. .	12 12 56	12 16 21
	SEPT. .	11 1 40	11 0 52
	OCT. .	10 14 24	10 9 55
	○	25 8 46	25 8 32
	NOV. .	9 8 8	8 20 8
	DEC. .	8 15 52	8 7 36
1437. F. 12 0 4	JAN. .	7 4 36	6 20 37
	FEB. .	5 17 20	5 11 4
	MAR. .	7 6 4	7 2 40
	APRIL	5 18 48	5 18 57
	○	20 18 10	20 17 53
	MAY .	5 7 32	5 11 8
	JUNE .	3 20 16	4 2 27
	JULY .	3 9 0	3 16 20
	AUG. .	1 21 44	2 4 36
		31 10 28	31 15 33
	SEPT. .	29 23 12	30 1 48
	OCT. .	29 11 56	29 11 59
	NOV. .	28 0 40	27 22 30
	DEC. .	27 13 24	27 9 30
1438. E. 12 5 53	JAN. .	26 2 9	25 21 2
	FEB. .	24 14 53	24 9 12
	○	11 9 15	11 23 7
	MAR. .	26 3 37	25 22 13
	APRIL	24 16 21	24 12 14
	MAY .	24 5 5	24 3 9
	JUNE .	22 17 49	22 18 31
	JULY .	22 6 33	22 9 44
	AUG. .	20 19 17	21 0 12
	SEPT. .	19 8 1	19 13 39
	OCT. .	18 20 45	19 2 10
	NOV. .	17 9 29	17 13 58
	DEC. .	16 22 13	17 1 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1439.		d. h. m.	d. h. m.
D.	JAN. .	15 10 58	15 12 0
March.	FEB. .	18 23 42	18 22 23
d. h. m.	○	28 18 4	1 5 31
12 11 41	MAR. .	15 12 26	15 8 36
	APRIL	14 1 10	13 19 10
	MAY .	13 18 54	13 6 44
	JUNE .	12 2 38	11 19 46
	JULY .	11 15 22	11 10 23
	AUG. .	10 4 6	10 2 11
	○	24 22 28	24 15 26
	SEPT. .	8 16 50	8 18 26
	OCT. .	8 5 34	8 10 24
	NOV. .	6 18 18	7 1 27
	DEC. .	6 7 2	6 15 11
1440.	JAN. .	4 19 46	5 8 31
C.B.	FEB. .	3 8 30	3 14 24
○		18 2 52	18 5 47
11 17 30	MAR. .	3 21 14	4 0 8
	APRIL	2 9 58	2 8 49
	MAY .	1 22 42	1 17 26
		31 11 26	31 2 48
	JUNE .	30 0 10	29 13 50
	JULY .	29 12 54	29 8 4
	○	18 7 16	18 8 19
	AUG. .	28 1 38	27 18 38
	SEPT. .	26 14 22	26 11 53
	OCT. .	26 3 6	26 5 48
	NOV. .	24 15 50	24 23 11
	DEC. .	24 4 34	24 15 2
1441.	JAN. .	22 17 19	23 4 44
A.	FEB. .	21 6 8	21 16 6
11 23 19	MAR. .	22 18 47	23 1 28
	APRIL	21 7 31	21 9 24
	MAY .	20 20 15	20 16 44
	JUNE .	19 8 59	19 0 30
	JULY .	18 21 43	18 9 47
	AUG. .	17 10 27	16 21 30
	SEPT. .	15 23 11	15 12 8
	OCT. .	15 11 55	15 5 25
	NOV. .	14 0 39	14 0 19
	DEC. .	13 13 23	13 19 21
	○	28 7 45	28 1 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1442.		d. h. m.	d. h. m.
G.	JAN. .	12 2 7	12 13 2
March.	FEB. .	10 14 51	11 4 12
d. h. m.	MAR. .	12 8 35	12 16 28
12 5 8	APRIL	10 16 19	11 2 7
	MAY .	10 5 8	10 9 50
	JUNE .	8 17 47	8 16 36
	○	23 12 9	23 15 59
	JULY .	8 6 31	7 23 30
	AUG. .	6 19 15	6 7 39
	SEPT. .	5 7 59	4 18 5
	OCT. .	4 20 43	4 7 28
	NOV. .	3 9 27	2 23 54
	DEC. .	2 22 11	2 18 39
	○	17 16 33	17 16 48
1443.	JAN. .	1 10 56	1 14 17
F.		30 23 40	31 9 4
	FEB. .	...	...
12 10 57	MAR. .	1 12 24	2 1 33
		31 1 8	31 15 2
	APRIL	29 18 52	30 1 32
	MAY .	29 2 36	29 9 44
	○	12 20 58	12 16 39
	JUNE .	27 15 20	27 16 40
	JULY .	27 4 4	26 23 28
	AUG. .	25 16 48	25 7 12
	SEPT. .	24 5 32	23 16 50
	OCT. .	23 18 16	23 5 3
	NOV. .	22 7 0	21 20 8
	○	7 1. 22	7 7 55
	DEC. .	21 19 44	21 13 40
1444.	JAN. .	20 8 29	20 8 37
E.D.	FEB. .	18 21 13	19 3 26
11 16 46	MAR. .	19 9 57	19 20 42
	APRIL	17 22 41	18 11 24
	MAY .	17 11 25	17 23 14
	○	1 5 47	31 21 7
	JUNE .	16 0 9	16 8 39
	JULY .	15 12 53	15 16 31
	AUG. .	14 1 37	13 23 57
	SEPT. .	12 14 21	12 7 58
	OCT. .	12 3 5	11 17 22
	NOV. .	10 15 49	10 4 43
	DEC. .	10 4 33	9 18 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1445.		d. h. m.	d. h. m.	A.D. 1448.		d. h. m.	d. h. m.
C. March. d. h. m. 11 22 35	JAN. .	8 17 17	8 9 57	G.F. March. d. h. m. 11 16 1	JAN. .	6 8 27	6 11 7
	FEB. .	7 6 1	7 8 8		FEB. .	4 21 11	4 21 35
	MAR. .	8 18 45	8 20 58		MAR. .	5 9 55	5 7 36
	APRIL	7 7 29	7 14 8		APRIL	8 22 39	8 17 39
	MAY .	6 20 13	7 5 37		MAY .	8 11 23	8 4 21
	JUNE .	5 8 57	5 19 0		JUNE .	2 0 7	1 16 24
	JULY .	4 21 41	5 6 11		JULY .	1 12 51	1 6 9
	AUG. .	8 10 25	8 15 44			31 1 35	30 21 28
	SEPT. .	1 23 9	2 0 32		AUG. .	29 14 19	29 13 46
	OCT. .	1 11 58	1 9 27		○	13 8 41	12 23 40
		31 0 37	30 19 9		SEPT. .	28 3 3	28 6 14
	NOV. .	29 13 21	29 6 8		OCT. .	27 15 47	27 22 5
	DEC. .	29 2 5	28 18 16		NOV. .	26 4 31	26 12 45
					DEC. .	25 17 15	26 1 55
1446. B. 12 4 23	JAN. .	27 14 50	27 7 50	1449. E. 11 21 50	JAN. .	24 6 0	24 13 31
	FEB. .	26 8 34	25 22 38		FEB. .	22 18 44	22 23 37
	MAR. .	27 16 18	27 14 21		MAR. .	24 7 28	24 8 38
	○	11 10 40	11 17 57		APRIL	22 20 12	22 16 56
		26 5 2	26 6 28		MAY .	22 8 56	22 1 36
	APRIL	25 17 46	25 22 14		JUNE .	20 21 40	20 11 32
	MAY .	24 6 30	24 12 56		JULY .	20 10 24	19 23 33
	JUNE .	23 19 14	24 2 9		○	4 4 46	4 8 9
	JULY .	22 7 58	22 13 56			18 23 8	18 14 2
	AUG. .	20 20 42	21 0 44		AUG. .	17 11 52	17 6 40
	SEPT. .	5 15 4	5 8 25		SEPT. .	17 0 36	17 0 37
	○	20 9 26	20 11 8		OCT. .	15 13 20	15 18 39
	OCT. .	18 22 10	18 21 38		NOV. .	15 2 4	15 11 33
	NOV. .	18 10 54	18 8 25		DEC. .		
	DEC. .						
1447. A. 12 10 12	JAN. .	16 23 39	16 19 36	1450. D. 12 3 39	JAN. .	13 14 49	14 2 27
	FEB. .	15 12 23	15 7 12		○	28 9 11	28 2 38
	MAR. .	17 1 7	16 19 28		FEB. .	12 3 38	12 14 56
	○	31 19 29	1 8 42		MAR. .	13 16 17	14 1 8
	APRIL	15 13 51	15 8 40		APRIL	12 5 1	12 9 30
	MAY .	15 2 35	14 22 56		MAY .	11 17 45	11 16 52
	JUNE .	13 15 19	13 14 4		JUNE .	10 6 29	10 0 9
	JULY .	13 4 8	13 5 27		JULY .	9 19 13	9 8 28
	AUG. .	11 16 47	11 20 12		○	24 13 35	24 20 57
	SEPT. .	10 5 31	10 10 47		AUG. .	8 7 57	7 18 53
	○	24 23 53	24 10 6		SEPT. .	6 20 41	6 8 6
	OCT. .	9 18 15	10 0 4		OCT. .	6 9 25	6 0 13
	NOV. .	8 6 59	8 12 27		NOV. .	4 22 9	4 18 37
	DEC. .	7 19 43	8 0 5		DEC. .	4 10 53	4 13 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1451. C.	JAN. .	2 23 37	3 8 32
	○	17 17 59	17 12 1
March. d. h. m. 12 9 28	FEB. .	1 12 21	2 1 8
	MAR. .	3 1 5	3 14 54
	APRIL	1 18 49	2 1 31
	MAY .	1 2 33	1 9 59
		30 15 17	30 17 0
	JUNE .	29 4 1	28 23 40
	○	13 22 28	14 2 37
	JULY .	28 16 45	28 7 6
	AUG. .	27 5 29	26 16 19
	SEPT. .	25 18 13	25 4 15
	OCT. .	25 6 57	24 19 16
	NOV. .	23 19 41	23 13 3
	DEC. .	23 8 25	23 8 26
1452. B.A.	JAN. .	21 21 10	22 3 50
	FEB. .	20 9 54	20 21 32
11 15 16	MAR. .	20 22 38	21 12 30
	APRIL	19 11 22	20 0 21
	MAY .	19 0 6	19 9 33
	JUNE .	17 12 50	17 16 59
	JULY .	17 1 34	16 23 47
	AUG. .	15 14 18	15 7 2
	SEPT. .	14 3 2	13 15 43
	OCT. .	13 15 46	13 2 41
	NOV. .	12 4 30	11 16 23
	DEC. .	11 17 14	11 8 44
1453. G.	JAN. .	10 5 59	10 3 3
	FEB. .	8 18 43	8 21 58
11 21 5	MAR. .	10 7 27	10 16 2
	APRIL	8 20 11	9 7 59
	MAY .	8 8 55	8 21 13
	○	23 3 17	22 19 10
	JUNE .	6 21 39	7 7 46
	JULY .	6 10 23	6 16 23
	AUG. .	4 23 7	5 0 3
	SEPT. .	3 11 51	3 7 50
	OCT. .	3 0 35	2 16 37
	NOV. .	1 13 19	1 3 5
	○	16 7 41	16 14 42
	DEC. .	1 2 3	30 15 32
		30 14 47	30 6 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1454. F.	JAN. .	29 8 31	28 22 25
March. d. h. m. 12 2 54	FEB. .	27 16 15	27 15 46
	MAR. .	29 4 59	29 9 8
	APRIL	27 17 43	28 1 28
	○	12 12 5	12 8 38
	MAY .	27 6 27	27 15 59
	JUNE .	25 19 11	26 4 18
	JULY .	25 7 55	25 14 45
	AUG. .	23 20 39	24 0 1
	SEPT. .	22 9 23	22 9 2
	OCT. .	21 22 7	21 18 28
	○	5 16 29	5 16 16
	NOV. .	20 10 51	20 4 51
	DEC. .	19 23 35	19 16 24
1455. E.	JAN. .	18 12 20	18 5 10
	FEB. .	17 1 4	16 19 6
12 8 43	MAR. .	18 13 48	18 10 7
	APRIL	17 2 32	17 1 50
	○	1 20 54	2 1 16
	MAY .	16 15 16	16 17 44
	JUNE .	15 4 0	15 9 1
	JULY .	14 16 44	14 23 7
	AUG. .	13 5 28	13 11 48
	SEPT. .	11 18 12	11 23 18
	OCT. .	11 6 56	11 10 7
	NOV. .	9 19 40	9 20 44
	DEC. .	9 8 24	9 7 27
1456. D.C.	JAN. .	7 21 8	7 18 24
	FEB. .	6 9 52	6 5 36
11 14 32	MAR. .	6 22 36	6 17 13
	○	21 16 58	22 6 55
	APRIL	5 11 20	5 5 37
	MAY .	5 0 4	4 19 5
	JUNE .	3 12 48	3 9 41
	JULY .	3 1 32	3 0 57
	AUG. .	1 14 16	1 16 24
		31 3 0	31 7 22
	SEPT. .	29 15 44	29 21 27
	OCT. .	29 4 28	29 10 32
	NOV. .	27 17 12	27 22 45
	DEC. .	27 5 56	27 10 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1457. B.		d. h. m.	d. h. m.
March. d. h. m. 11 20 21	JAN. .	25 18 41	25 20 49
	FEB. .	24 7 25	24 6 51
	○ MAR. .	11 1 47 25 20 9	11 18 0 25 16 33
	APRIL	24 8 53	24 2 35
	MAY .	23 21 37	23 18 39
	JUNE .	22 10 21	22 2 23
	JULY .	21 23 5	21 16 56
	AUG. .	20 11 49	20 8 56
	○ SEPT. .	4 6 11 19 0 33	3 23 21 19 1 39
	OCT. .	18 13 17	18 18 12
	NOV. .	17 2 1	17 9 47
	DEC. .	16 14 45	16 23 53
1458. A. 12 2 9	JAN. .	15 3 29	15 12 18
	FEB. .	13 16 14	13 23 3
	○ MAR. .	28 10 36 15 4 58	28 13 15 15 8 20
	APRIL	13 17 42	13 16 41
	MAY .	13 6 26	13 0 52
	JUNE .	11 19 10	11 9 53
	JULY .	11 7 54	10 20 42
	AUG. .	9 20 33	9 9 55
	○ SEPT. .	24 15 0 8 9 22	24 16 6 8 1 39
	OCT. .	7 22 6	7 19 15
	NOV. .	6 10 50	6 13 39
	DEC. .	5 23 34	6 7 26
1459. G. 12 7 58	JAN. .	4 12 18	4 23 31
	FEB. .	3 1 2	3 13 14
	MAR. .	4 13 46	5 0 26
	APRIL	3 2 30	3 9 29
	MAY .	2 15 14	2 17 5
	JUNE .	1 3 58 30 16 42	1 0 9 30 7 44
	JULY .	30 5 26	29 16 58
	AUG. .	28 18 10	28 4 45
	SEPT. .	27 6 54	26 19 31
	OCT. .	26 19 33	26 13 2
	NOV. .	25 8 22	25 8 12
	DEC. .	24 21 6	25 3 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1460. F.E.		d. h. m.	d. h. m.
March. d. h. m. 11 18 47	○ JAN. .	8 15 29 23 9 51	8 10 25 23 21 12
	FEB. .	21 22 35	22 12 19
	MAR. .	22 11 19	23 0 25
	APRIL	21 0 3	21 9 50
	MAY .	20 12 47	20 17 22
	JUNE .	19 1 31	19 0 3
	○ JULY .	3 19 53 18 14 15	3 22 28 18 6 57
	AUG. .	17 2 59	16 15 13
	SEPT. .	15 15 43	15 1 47
	OCT. .	15 4 27	14 15 20
	NOV. .	13 17 11	13 7 53
	DEC. . ○	13 5 55 28 0 17	13 2 33 28 1 47
1461. D. 11 19 36	JAN. .	11 18 40	11 22 12
	FEB. .	10 7 24	10 16 51
	MAR. .	11 20 8	12 9 11
	APRIL	10 8 52	10 22 32
	MAY .	9 21 36	10 8 55
	JUNE . ○	8 10 20 28 4 42	8 17 6 22 23 19
	JULY .	7 23 4	8 0 8
	AUG. .	6 11 48	6 7 7
	SEPT. .	5 0 32	4 15 7
	OCT. .	4 13 16	4 0 58
	NOV. .	3 2 0	2 13 20
	DEC. ○	2 14 44 17 9 6 ...	2 4 25 17 16 47 31 21 45
1462. C. 12 1 25	JAN. .	1 8 28 30 16 12	... 30 16 23
	FEB. .	...	...
	MAR. .	1 4 56 30 17 40	1 10 52 31 8 58
	APRIL	29 6 24	29 18 27
	MAY .	28 19 8	29 6 18
	○ JUNE .	12 13 30 27 7 52	12 4 2 27 15 51
	JULY .	26 20 36	26 23 59
	AUG. .	25 9 20	25 7 47
	SEPT. .	23 22 4	23 16 8
	OCT. .	23 10 48	23 1 52
	NOV. .	21 23 32	21 13 21
	DEC. .	21 12 16	21 2 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1463.		d. h. m.	d. h. m.
B. March. d. h. m. 12 7 14	JAN.	20 1 1	19 18 10
	FEB.	18 13 45	18 10 52
	MAR.	20 2 29	20 4 6
	APRIL	18 15 13	18 20 55
	MAY	18 8 57	18 12 21
	JUNE	16 16 41	17 1 48
	JULY	16 5 25	16 18 17
	AUG.	14 18 9	14 23 15
	SEPT.	13 6 53	13 8 32
	OCT.	12 19 37	12 17 54
	NOV.	11 8 21	11 8 56
	DEC.	10 21 5	10 14 55
1464. A.G. 11 18 2	JAN.	9 9 50	9 8 0
	FEB.	7 22 34	7 16 7
	MAR.	8 11 18	8 6 19
	APRIL	7 0 2	6 21 27
	○	21 18 24	22 1 44
	MAY	6 12 46	6 13 8
	JUNE	5 1 30	5 4 43
	JULY	4 14 14	4 19 32
	AUG.	3 2 58	3 9 8
	SEPT.	1 15 42	1 21 27
	OCT. ○	1 4 26	1 8 50
		15 22 48	15 11 8
		30 17 10	30 19 45
	NOV.	29 5 54	29 6 32
	DEC.	28 18 38	28 17 28
1465. F. 11 18 51	JAN.	27 7 22	27 4 19
	FEB.	25 20 6	25 15 27
	MAR.	27 8 50	27 8 7
	○	11 8 12	11 16 19
	APRIL	25 21 34	25 15 44
	MAY	25 10 18	25 5 33
	JUNE	23 23 2	23 20 29
	JULY	23 11 46	23 12 0
	AUG.	22 0 30	22 3 27
	SEPT.	20 13 14	20 18 18
	○	5 7 36	4 18 6
	OCT.	20 1 58	20 8 12
	NOV.	18 14 42	18 21 4
	DEC.	18 3 26	18 9 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1466.		d. h. m.	d. h. m.
E. March. d. h. m. 12 0 40	JAN.	16 16 11	16 20 2
	FEB.	15 4 55	15 6 12
	MAR.	16 17 39	16 15 47
	APRIL	15 6 23	15 1 17
	MAY	14 19 7	14 11 30
	JUNE	13 7 51	12 23 10
	JULY	12 20 35	12 12 45
	AUG.	11 9 19	11 4 9
	SEPT.	9 22 3	9 20 48
	○	24 16 25	24 7 49
	OCT.	9 10 47	9 13 48
	NOV.	7 23 31	8 6 14
	DEC.	7 12 15	7 21 20
1467. D. 12 6 29	JAN.	6 0 59	6 10 42
	FEB.	4 13 43	4 22 12
	MAR.	6 2 27	6 8 1
	APRIL	4 15 11	4 16 33
	MAY	4 3 55	4 0 29
	JUNE	2 16 39	2 8 48
	JULY	2 5 23	1 18 30
		31 18 7	31 6 26
	○	15 12 29	15 15 45
	AUG.	30 6 51	29 21 0
	SEPT.	28 19 35	28 18 54
	OCT.	28 8 19	28 8 16
	NOV.	26 21 3	27 2 43
	DEC.	26 9 47	26 19 55
1468. C.B. 11 12 18	JAN.	24 22 32	25 10 55
	○	8 16 54	8 10 44
	FEB.	23 11 16	23 23 17
	MAR.	24 0 0	24 9 13
	APRIL	22 12 44	22 17 17
	MAY	22 1 28	22 0 23
	JUNE	20 14 12	20 7 29
	JULY	20 2 56	19 15 43
	○	3 21 18	4 4 5
	AUG.	18 15 40	18 2 9
	SEPT.	17 4 24	16 15 29
	OCT.	16 17 8	16 7 49
	NOV.	15 5 52	15 2 25
	DEC.	14 18 36	14 21 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1409. A.		d. h. m.	d. h. m.
March. d. h. m. 11 18 6	JAN.	18 7 21	18 16 38
	○	28 1 43	27 20 39
	FEB.	11 20 5	12 9 9
	MAR.	13 8 49	13 22 41
	APRIL	11 21 33	12 9 17
	MAY	11 10 17	11 17 33
	JUNE	9 23 1	10 0 29
	JULY	9 11 45	9 7 8
	○	24 6 7	24 9 16
	AUG.	8 0 29	7 14 39
	SEPT.	6 13 13	6 0 3
	OCT.	6 1 57	5 12 8
	NOV.	4 14 41	4 3 16
	DEC.	4 3 25	3 21 5
1470. G.	JAN.	2 16 9	2 16 23
	○	17 10 31	17 11 35
	FEB.	1 4 58	1 11 37
11 23 55	MAR.	2 17 37	3 5 9
	APRIL	1 6 21	1 19 58
		30 19 5	1 7 42
	MAY	30 7 49	30 16 52
	JUNE	28 20 33	29 0 23
	JULY	28 9 17	28 7 21
	AUG.	26 22 1	26 14 50
	SEPT.	25 10 45	24 23 48
	OCT.	24 23 29	24 10 59
	NOV.	23 12 13	23 0 44
	DEC.	23 0 57	22 16 57
1471. F.	JAN.	21 13 42	21 10 57
	FEB.	20 2 26	20 5 31
12 5 44	MAR.	21 15 10	21 23 14
	APRIL	20 3 54	20 15 1
	MAY	19 16 38	20 4 12
	○	3 11 0	3 2 13
	JUNE	18 5 22	18 14 52
	JULY	17 18 6	17 23 43
	AUG.	16 6 50	16 7 45
	SEPT.	14 19 31	14 15 54
	OCT.	14 8 18	14 1 3
	NOV.	12 21 2	12 11 43
	○	27 15 24	27 22 56
	DEC.	12 9 46	12 0 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1472. E.D.		d. h. m.	d. h. m.
March. d. h. m. 11 11 33	JAN.	10 22 31	10 14 30
	FEB.	9 11 15	9 6 21
	MAR.	9 23 59	9 23 10
	APRIL	8 12 43	8 16 5
	MAY	8 1 27	8 8 11
	○	22 19 49	22 16 6
	JUNE	6 14 11	6 22 40
	JULY	6 2 55	6 11 14
	AUG.	4 15 39	4 22 5
	SEPT.	3 4 23	3 7 50
	OCT.	2 17 7	2 17 19
	NOV. ○	1 5 51	1 3 10
		16 0 13	16 0 6
		30 18 35	30 13 45
	DEC.	30 7 19	30 1 15
1473. C.	JAN.	28 20 3	28 13 39
	FEB.	27 8 47	27 3 2
11 17 22	MAR.	28 21 31	28 17 26
	APRIL	27 10 15	27 8 32
	○	12 4 37	12 9 12
	MAY	26 22 59	27 0 13
	JUNE	25 11 43	25 15 30
	JULY	25 0 27	25 5 52
	AUG.	23 13 11	23 19 5
	SEPT.	22 1 55	22 7 10
	OCT.	21 14 39	21 18 32
	○	5 9 1	4 23 39
	NOV.	20 3 23	20 5 33
	DEC.	19 16 7	19 16 26
1474. B.	JAN.	18 4 52	18 3 15
	FEB.	16 17 36	16 14 4
11 23 11	MAR.	18 6 20	18 1 8
	APRIL	16 19 4	16 12 56
	MAY	16 7 48	16 1 53
	JUNE	14 20 32	14 16 10
	JULY	14 9 16	14 7 26
	AUG.	12 22 0	12 23 10
	SEPT.	11 10 44	11 14 40
	OCT.	10 23 28	11 5 21
	NOV.	9 12 12	9 19 0
	DEC.	9 0 56	9 7 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1475. A. March. d. h. m. 12 4 59	JAN.	7 13 41	7 19 5
	FEB.	6 2 25	6 5 34
	MAR.	7 15 9	7 15 12
	○	22 9 31	22 20 21
	APRIL	6 3 53	6 0 23
	MAY	5 16 37	5 9 55
	JUNE	4 5 21	3 20 34
	JULY	3 18 5	3 9 2
	AUG.	2 6 49	1 23 31
		31 19 33	31 15 50
	○	15 13 55	15 7 26
		30 8 17	30 9 2
	SEPT.	29 21 1	30 2 6
	OCT.	28 9 45	28 18 11
	NOV.	27 22 29	28 8 35
	DEC.		
1476. G.F. 11 10 48	JAN.	26 11 13	26 21 2
	FEB.	24 23 57	25 7 32
	○	10 18 19	10 20 31
		25 12 41	25 16 26
	MAR.	24 1 25	24 0 24
	APRIL	23 14 9	23 8 13
	MAY	22 2 53	21 16 58
	JUNE	21 15 37	21 3 38
	JULY	20 4 21	19 16 53
	AUG.	8 22 43	8 23 59
	○	18 17 5	18 8 49
	SEPT.	18 5 49	18 2 46
	OCT.	16 18 33	16 21 32
	NOV.	16 7 17	16 15 39
	DEC.		
1477. E. 11 16 37	JAN.	14 20 2	15 7 56
	FEB.	13 8 46	13 21 36
	MAR.	14 21 30	15 8 35
	APRIL	13 10 14	13 17 22
	MAY	12 22 58	13 0 42
	JUNE	11 11 42	11 7 34
	JULY	11 0 26	10 15 4
	AUG.	9 13 10	9 0 17
	SEPT.	8 1 54	7 12 9
	OCT.	7 14 38	7 3 7
	NOV.	6 3 22	5 20 49
	DEC.	5 16 6	5 16 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1478. D. March. d. h. m. 11 22 26	JAN.	4 4 51	4 11 29
	○	18 23 13	18 19 13
	FEB.	2 17 35	3 5 14
	MAR.	4 6 19	4 20 15
	APRIL	2 19 3	3 8 11
	MAY	2 7 47	2 17 26
		31 20 31	1 0 51
	JUNE	30 9 15	30 7 30
	○	15 3 37	15 5 0
	JULY	29 21 59	29 14 30
	AUG.	28 10 43	27 22 54
	SEPT.	26 23 27	26 9 40
	OCT.	26 12 11	25 23 22
	NOV.	25 0 55	24 15 56
	DEC.	24 13 39	24 10 39
	○	8 8 1	8 10 44
1479. C. 12 4 15	JAN.	23 2 23	23 6 2
	FEB.	21 15 7	22 0 29
	MAR.	23 3 51	23 16 39
	APRIL	21 16 35	22 5 51
	MAY	21 5 19	21 16 12
	JUNE	19 18 3	20 0 26
	○	4 12 25	4 5 40
	JULY	19 6 47	19 7 37
	AUG.	17 19 31	17 14 52
	SEPT.	16 8 15	15 23 7
	OCT.	15 20 59	15 9 15
	NOV.	14 9 43	13 21 45
	DEC.	13 22 27	13 12 44
	○	28 16 49	29 1 34
1480. B.A. 11 10 4	JAN.	12 11 12	12 5 51
	FEB.	10 23 56	11 0 5
	MAR.	11 12 40	11 18 12
	APRIL	10 1 24	10 10 57
	MAY	9 14 8	10 1 23
	JUNE	8 2 52	8 13 19
	○	22 21 14	22 10 58
	JULY	7 15 36	7 23 5
	AUG.	6 4 20	6 7 31
	SEPT.	4 17 4	4 15 44
	OCT.	4 5 48	4 0 30
	NOV.	2 18 32	2 10 30
	DEC.	2 7 16	1 23 6
		31 20 0	31 11 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1481.		d. h. m.	d. h. m.	A.D. 1484.		d. h. m.	d. h. m.
G. March. d. h. m. 11 15 52	JAN. .	30 8 44	30 2 20	D.C. March. d. h. m. 11 9 19	JAN. .	27 23 54	28 4 51
	FEB. .	28 21 28	28 18 28		FEB. .	26 12 38	26 14 40
	MAR. .	30 10 12	30 11 12		MAR. .	27 1 22	26 23 47
	APRIL	28 22 56	29 8 38		APRIL	25 14 6	25 8 49
	MAY .	28 11 40	28 18 57		MAY .	25 2 50	24 18 34
	JUNE .	27 0 24	27 8 33		JUNE .	23 15 34	23 5 55
	JULY .	26 13 8	26 20 23		JULY .	23 4 18	22 19 23
	AUG. .	25 1 52	25 6 49		AUG. .	21 17 2	21 10 57
	SEPT. .	23 14 36	23 16 37		SEPT. .	20 5 46	20 3 58
	OCT. .	23 3 20	23 2 27		○	5 0 8	4 16 8
	NOV. .	21 16 4	21 12 47		OCT. .	19 18 30	19 21 29
	DEC. .	21 4 48	20 23 50		NOV. .	18 7 14	18 14 25
					DEC. .	17 19 58	18 5 53
1482. F. 11 21 41	JAN. .	19 17 33	19 11 40				
	FEB. .	18 6 17	18 0 18	1485. B. 11 15 8	JAN. .	16 8 43	16 19 24
	MAR. .	19 19 1	19 13 54		FEB. .	14 21 27	15 6 46
	APRIL	18 7 45	18 4 26		MAR. .	16 10 11	16 16 16
	○	3 2 7	3 9 23		APRIL	14 22 55	15 0 25
	MAY .	17 20 29	17 19 42		MAY .	14 11 39	14 8 1
	JUNE .	16 9 13	16 11 8		JUNE .	13 0 23	12 16 2
	JULY .	15 21 57	16 2 8		JULY .	12 13 7	12 1 32
	AUG. .	14 10 41	14 16 10		AUG. .	11 1 51	10 13 26
	SEPT. .	12 23 25	13 5 4		○	25 20 13	25 23 23
	OCT. .	12 12 9	12 17 2		SEPT. .	9 14 35	9 4 8
	○	27 6 31	26 18 59		OCT. .	9 3 19	8 21 20
	NOV. .	11 0 53	11 4 26		NOV. .	7 16 3	7 16 3
	DEC. .	10 13 37	10 15 30		DEC. .	7 4 47	7 10 49
1483. E. 12 3 30	JAN. .	9 2 22	9 2 20	1486. A. 11 20 57	JAN. .	5 17 32	6 4 16
	FEB. .	7 15 6	7 12 58		FEB. .	4 6 16	4 19 16
	MAR. .	9 3 50	8 23 36		○	19 0 38	18 18 45
	APRIL	7 16 34	7 10 41		MAR. .	5 19 0	6 7 30
	○	22 10 56	22 23 49		APRIL	4 7 44	4 17 10
	MAY .	7 5 18	6 22 45		MAY .	3 20 28	4 0 59
	JUNE .	5 18 2	5 12 10		JUNE .	2 9 12	2 7 51
	JULY .	5 6 46	5 2 57		JULY .	1 21 56	1 14 50
	AUG. .	3 19 30	3 18 37			31 10 40	30 23 4
	SEPT. .	2 8 14	2 10 32		○	15 5 2	15 11 19
	OCT. ○	1 20 58	2 1 57		AUG. .	29 23 24	29 9 35
		16 15 20	16 2 17		SEPT. .	28 12 8	27 23 3
		31 9 42	31 16 27		OCT. .	28 0 52	27 15 32
	NOV. .	29 22 26	30 5 48		NOV. .	26 13 36	26 10 19
	DEC. .	29 11 10	29 17 55		DEC. .	26 2 20	26 5 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1487. G.		d. h. m.	d. h. m.
	JAN.	24 15 4	25 0 38
March. d. h. m. 12 2 45	○	8 9 26	8 5 10
	FEB.	23 8 48	23 17 4
	MAR.	24 16 32	25 6 27
	APRIL	23 5 16	23 16 52
	MAY	22 18 0	23 1 1
	JUNE	21 6 44	21 7 55
	JULY	20 19 28	20 14 38
	○	4 18 50	4 15 59
	AUG.	19 8 12	18 22 17
	SEPT.	17 20 56	17 7 53
	OCT.	17 9 40	16 20 9
	NOV.	15 22 24	15 11 23
	DEC.	15 11 8	15 5 7
1488. F.E.	JAN.	13 23 53	14 0 18
	○	28 18 15	28 20 24
	FEB.	12 12 37	12 19 19
11 8 34	MAR.	13 1 21	13 12 39
	APRIL	11 14 5	12 3 16
	MAY	11 2 49	11 14 58
	JUNE	9 15 33	10 0 10
	JULY	9 4 17	9 7 49
	AUG.	7 17 1	7 15 1
	SEPT.	6 5 45	5 22 49
	OCT.	5 18 20	5 8 5
	NOV.	4 7 13	3 19 26
	DEC.	3 19 57	3 9 11
1489. D.	JAN.	2 8 42	2 1 12
		31 21 26	31 18 50
	FEB.	...	...
11 14 23	MAR.	2 10 10	2 12 58
		31 22 54	1 6 21
	APRIL	30 11 38	30 21 56
	MAY	30 0 22	30 11 6
	○	13 18 44	13 9 18
	JUNE	28 13 6	28 21 58
	JULY	28 1 50	28 7 7
	AUG.	26 14 34	26 15 32
	SEPT.	25 3 18	25 0 8
	OCT.	24 16 2	24 9 38
	NOV.	23 4 46	22 20 30
	○	7 23 8	8 7 10
	DEC.	22 17 30	22 8 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1490. C.		d. h. m.	d. h. m.
	JAN.	21 6 14	20 22 52
March. d. h. m. 11 20 12	FEB.	19 18 58	19 14 11
	MAR.	21 7 42	21 6 26
	APRIL	19 20 26	19 22 54
	MAY	19 9 10	19 14 45
	○	3 3 32	2 23 32
	JUNE	17 21 54	18 5 18
	JULY	17 10 38	17 18 8
	AUG.	15 23 22	16 5 27
	SEPT.	14 12 6	14 15 44
	OCT.	14 0 50	14 1 43
	NOV.	12 13 31	12 11 57
	○	27 7 56	27 7 59
	DEC.	12 2 18	11 22 42
1491. B.	JAN.	10 15 3	10 10 3
	FEB.	9 3 47	8 22 3
12 2 1	MAR.	10 16 31	10 10 53
	APRIL	9 5 15	9 0 38
	MAY	8 17 59	8 15 21
	○	23 12 21	23 16 44
	JUNE	7 6 43	7 6 39
	JULY	6 19 27	6 21 59
	AUG.	5 8 11	5 12 44
	SEPT.	3 20 55	4 2 23
	OCT.	3 9 39	3 15 10
	NOV.	1 22 23	2 3 4
	○	16 16 45	16 7 37
	DEC.	1 11 7	1 14 27
		30 23 51	31 1 25
1492. A.G.	JAN.	29 12 36	29 12 2
	FEB.	28 1 20	27 22 25
11 7 50	MAR.	28 14 4	28 8 56
	APRIL	27 2 48	26 20 10
	MAY	26 15 32	26 8 38
	JUNE	25 4 16	24 22 40
	JULY	24 17 0	24 14 0
	AUG.	23 5 44	23 6 3
	SEPT.	21 18 28	21 22 4
	OCT.	21 7 12	21 13 22
	NOV.	19 19 56	20 3 33
	DEC.	19 8 40	19 16 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1493. F. March. d. h. m. 11 13 38		d. h. m.	d. h. m.
	JAN.	17 21 24	18 3 56
	FEB.	16 10 8	16 14 10
	MAR.	17 22 52	17 23 23
	○	1 17 14	2 3 30
	APRIL	16 11 36	16 8 7
	MAY	16 0 20	15 17 10
	JUNE	14 13 4	14 8 27
	JULY	14 1 48	13 15 45
	AUG.	12 14 32	12 6 19
	SEPT.	11 3 16	10 22 52
	○	25 21 38	25 15 39
	OCT.	10 16 0	10 16 30
	NOV.	9 4 44	9 10 6
	DEC.	8 17 28	9 2 36
1494. E. 11 19 27	JAN.	7 6 13	7 17 14
	FEB.	5 18 57	6 5 37
	MAR.	7 7 41	7 15 58
	○	22 2 8	22 3 46
	APRIL	5 20 25	6 0 28
	MAY	5 9 9	5 8 8
	JUNE	3 21 53	3 15 34
	JULY	3 10 37	3 0 7
	AUG.	1 23 21	1 10 41
		31 12 5	31 0 1
	○	15 6 27	15 8 0
	SEPT.	30 0 49	29 16 9
	OCT.	29 13 33	29 10 25
	NOV.	28 2 17	28 5 31
	DEC.	27 15 1	27 23 53
1495. D. 12 1 16	JAN.	26 3 46	26 16 15
	FEB.	24 16 30	25 5 50
	MAR.	26 5 14	26 16 37
	APRIL	24 17 58	25 1 7
	MAY	24 6 42	24 8 14
	JUNE	22 19 26	22 14 59
	JULY	22 8 10	21 22 26
	AUG.	20 20 54	20 7 43
	SEPT.	19 9 33	18 19 44
	OCT.	18 22 22	18 10 51
	NOV.	17 11 6	17 4 40
	DEC.	16 23 50	17 0 6

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1496. C.B. March. d. h. m. 11 7 5		d. h. m.	d. h. m.
	JAN.	15 12 34	15 19 23
	○	30 6 56	30 3 54
	FEB.	14 1 18	14 13 8
	MAR.	14 14 2	15 4 1
	APRIL	13 2 46	13 15 48
	MAY	12 15 30	13 0 54
	JUNE	11 4 14	11 8 17
	JULY	10 16 58	10 14 57
	AUG.	9 5 42	8 22 7
	SEPT.	7 18 26	7 6 44
	OCT.	7 7 10	6 17 42
	NOV.	5 19 54	5 7 30
	DEC.	5 8 38	5 0 4
1497. A. 11 12 53	JAN.	3 21 23	3 18 33
	○	18 15 45	18 19 37
	FEB.	2 10 7	2 13 48
	MAR.	3 22 51	4 8 0
	APRIL	2 11 35	2 23 58
	MAY	2 0 19	2 13 3
		31 13 8	31 23 25
	JUNE	30 1 47	30 7 47
	○	14 20 9	14 12 17
	JULY	29 14 31	29 15 11
	AUG.	28 3 15	27 22 44
	SEPT.	26 15 59	26 7 20
	OCT.	26 4 43	25 17 42
	NOV.	24 17 27	24 6 17
	DEC.	24 6 11	23 21 9
1498. G. 11 18 42	○	8 0 33	8 10 20
	JAN.	22 18 55	22 13 53
	FEB.	21 7 39	21 7 41
	MAR.	22 20 23	23 1 22
	APRIL	21 9 7	21 17 49
	MAY	20 21 51	21 8 13
	JUNE	19 10 35	19 20 15
	○	4 4 57	3 17 56
	JULY	18 23 19	19 6 19
	AUG.	17 12 3	17 15 11
	SEPT.	16 0 47	15 23 48
	OCT.	15 13 31	15 8 59
	NOV.	14 2 15	13 19 15
	DEC.	13 14 59	13 6 53

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1499.		d. h. m.	d. h. m.
F. March. d. h. m. 12 0 31	JAN.	12 3 44	11 19 58
	FEB.	10 16 28	10 10 24
	MAR.	12 5 12	12 1 58
	APRIL	10 17 56	10 18 9
	MAY	10 6 40	10 10 15
	JUNE	8 19 24	9 1 30
	JULY	8 8 8	8 15 20
	AUG.	6 20 52	7 3 33
	SEPT.	5 9 36	5 14 32
	OCT.	4 22 20	5 0 52
	NOV.	3 11 4	3 11 9
	DEC.	2 23 48	2 21 44
1500. E.D. 11 6 20	JAN.	1 12 32 31 1 17	1 8 45 30 20 17
	FEB.	29 14 1	29 8 23
	MAR.	30 2 45	29 21 21
	APRIL	28 15 29	28 11 20
	○ MAY	13 9 51 28 4 13	13 16 56 28 2 12
	JUNE	26 16 57	26 17 34
	JULY	26 5 41	26 8 49
	AUG.	24 18 25	24 23 19
	SEPT.	23 7 9	23 12 49
	OCT.	22 19 53	23 1 24
	○ NOV.	6 14 15 21 8 37	6 2 59 21 13 13
	DEC.	20 21 21	21 0 28
1501. C. 11 12 9	JAN.	19 10 5	19 11 11
	FEB.	17 22 49	17 21 29
	MAR.	19 11 33	19 7 37
	APRIL	18 0 17	17 18 8
	○ MAY	2 18 39 17 13 1	3 7 9 17 5 40
	JUNE	16 1 45	15 18 44
	JULY	15 14 29	15 9 25
	AUG.	14 3 13	14 1 20
	SEPT.	12 15 57	12 17 41
	OCT. ○	12 4 41 26 23 3	12 9 43 26 10 36
	NOV.	10 17 25	11 0 47
	DEC.	10 6 9	10 14 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1502.		d. h. m.	d. h. m.
B. March. d. h. m. 11 17 58	JAN.	8 18 54	9 2 47
	FEB.	7 7 38	7 13 34
	MAR.	8 20 22	8 23 3
	APRIL	7 9 6	7 7 43
	MAY	6 21 50	6 16 16
	JUNE	5 10 34	5 1 33
	JULY	4 23 18	4 12 44
	AUG.	3 12 2	3 2 9
	SEPT.	2 0 46	1 17 52
	OCT. ○	1 13 30 16 7 52 31 2 14	1 11 16 16 0 35 31 5 16
	NOV.	29 14 58	29 22 40
	DEC.	29 3 42	29 14 26
1503. A. 11 23 46	JAN.	27 16 27	28 4 0
	FEB.	26 5 11	26 15 13
	MAR.	27 17 55	28 0 23
	APRIL	26 6 39	26 8 11
	MAY	25 19 23	25 15 28
	JUNE	24 8 7	23 23 15
	JULY	23 20 51	23 8 39
	AUG.	22 9 35	21 20 34
	SEPT.	20 22 19	20 11 25
	OCT.	20 11 3	20 4 52
	NOV.	18 23 47	18 23 53
	DEC.	18 12 31	18 18 56
1504. G.F. 11 5 35	JAN.	17 1 15	17 12 29
	FEB.	15 14 0	16 3 30
	○ MAR.	1 8 22 16 2 44	1 2 40 16 15 33
	APRIL	14 15 28	15 1 0
	MAY	14 4 12	14 8 35
	JUNE	12 16 56	12 15 19
	JULY	12 5 40	11 22 15
	AUG. ○	10 18 24 25 12 46	10 6 32 25 18 38
	SEPT.	9 7 8	8 17 10
	OCT.	8 19 52	8 6 48
	NOV.	7 8 36	6 23 25
	DEC.	6 21 20	6 18 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1505. E.		d. h. m.	d. h. m.
	JAN.	5 10 4	5 18 54
March. d. h. m. 11 11 24	FEB.	8 22 48	4 8 33
	○	18 17 10	18 13 87
	MAR.	5 11 32	6 0 50
	APRIL	4 0 16	4 14 4
	MAY	3 18 0	4 0 22
	JUNE	2 1 44	2 8 27
	JULY	1 14 28	1 15 22
		31 8 12	30 22 13
	○	14 21 31	14 22 45
	AUG.	29 15 56	29 6 6
	SEPT.	28 4 40	27 15 54
	OCT.	27 17 24	27 4 20
	NOV.	26 6 8	25 19 35
	DEC.	25 18 52	25 13 14
1506. D.	JAN.	24 7 36	24 8 8
	○	8 1 58	8 5 7
	FEB.	22 20 21	23 2 53
11 17 13	MAR.	24 9 5	24 19 58
	APRIL	22 21 49	23 10 27
	MAY	22 10 33	22 22 6
	JUNE	20 23 17	21 7 24
	JULY	20 12 1	20 15 17
	AUG.	19 0 45	18 22 48
	SEPT.	17 18 29	17 6 55
	OCT.	17 2 13	16 16 29
	NOV.	15 14 57	15 4 1
	DEC.	15 3 41	14 17 43
1507. C.	JAN.	13 16 25	13 9 25
	FEB.	12 5 9	12 2 36
11 23 2	MAR.	13 17 53	13 20 15
	APRIL	12 6 37	12 13 16
	MAY	11 19 21	12 4 41
	JUNE	10 8 5	10 17 56
	○	25 2 27	24 16 23
	JULY	9 20 49	10 5 3
	AUG.	8 9 33	8 14 41
	SEPT.	6 22 17	6 23 27
	OCT.	6 11 1	6 8 29
	NOV.	4 23 45	4 18 20
	DEC.	4 12 29	4 5 20
	○	19 6 51	19 15 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1508. B.A.		d. h. m.	d. h. m.
	JAN.	3 1 14	2 17 37
March. d. h. m. 11 4 51	FEB.	1 13 58	1 7 10
	MAR.	2 2 42	1 21 56
		31 15 26	31 13 35
	APRIL	30 4 10	30 5 36
	MAY	29 16 54	29 21 17
	○	13 11 16	13 6 55
	JUNE	28 5 38	28 11 55
	JULY	27 18 22	28 1 7
	AUG.	26 7 6	26 12 55
	SEPT.	24 19 50	24 23 47
	OCT.	24 8 34	24 10 16
	NOV.	22 21 18	22 20 51
	○	7 15 40	7 15 56
	DEC.	22 10 2	22 7 40
1509. G.	JAN.	20 22 47	20 18 49
	FEB.	19 11 31	19 6 23
11 10 39	MAR.	21 0 15	20 18 35
	APRIL	19 12 59	19 7 45
	MAY	19 1 43	18 21 59
	○	2 20 5	3 0 12
	JUNE	17 14 27	17 13 6
	JULY	17 8 11	17 4 32
	AUG.	15 15 55	15 19 38
	SEPT.	14 4 39	14 9 57
	OCT.	13 17 23	13 23 17
	NOV.	12 6 7	12 11 42
	○	27 0 29	26 15 42
	DEC.	11 18 51	11 23 23
1510. F.	JAN.	10 7 35	10 10 22
	FEB.	8 20 19	8 20 43
11 16 28	MAR.	10 9 3	10 6 38
	APRIL	8 21 47	8 16 36
	MAY	8 10 31	8 3 18
	JUNE	6 23 15	6 15 22
	JULY	6 11 59	6 5 12
	AUG.	5 0 43	4 20 35
	SEPT.	3 13 27	3 13 0
	OCT.	3 2 11	3 5 33
	NOV.	1 14 55	1 21 27
	DEC.	1 3 39	1 12 8
		30 16 23	31 1 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1511. E. March. d. h. m. 11 22 17		d. h. m.	d. h. m.
	JAN. .	29 5 8	29 12 44
	FEB. .	27 17 52	27 22 40
	MAR. .	29 6 36	29 7 28
	○	18 0 58	18 10 32
	APRIL	27 19 20	27 15 35
	MAY .	27 8 4	27 0 24
	JUNE .	25 20 48	25 10 24
	JULY .	25 9 32	24 22 34
	AUG. .	23 22 16	23 18 18
	SEPT. .	22 11 0	22 6 1
	○	7 5 22	7 0 2
	OCT. .	21 23 44	22 0 4
	NOV. .	20 12 28	20 18 9
	DEC. .	20 1 12	20 11 1
1512. D.C. 11 4 6	JAN. .	18 13 56	19 1 47
	FEB. .	17 2 40	17 14 5
	MAR. .	17 15 24	18 0 5
	○	1 9 46	1 10 48
	APRIL	16 4 8	16 8 19
	MAY .	15 16 52	15 15 36
	JUNE .	14 5 36	13 22 52
	JULY .	13 18 20	13 7 16
	AUG. .	12 7 4	11 17 51
	SEPT. .	10 19 48	10 7 17
	○	25 14 10	25 16 8
	OCT. .	10 8 32	9 23 37
	NOV. .	8 21 16	8 18 9
	DEC. .	8 10 0	8 13 31
1513. E. 11 9 55	JAN. .	6 22 45	7 8 4
	FEB. .	5 11 29	6 0 26
	MAR. .	7 0 13	7 13 53
	○	21 18 35	21 13 28
	APRIL	5 12 57	6 0 27
	MAY .	5 1 41	5 8 45
	JUNE .	3 14 25	3 15 43
	JULY .	3 3 9	2 22 22
	AUG. .	1 15 53	1 5 54
		31 4 37	30 15 19
	○	14 22 59	15 4 37
	SEPT. .	29 17 21	29 3 27
	OCT. .	29 6 5	28 18 42
	NOV. .	27 18 49	27 12 37
	DEC. .	27 7 33	27 8 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1514. A. March. d. h. m. 11 15 43		d. h. m.	d. h. m.
	JAN. .	25 20 18	26 3 22
	○	9 14 40	9 12 31
	FEB. .	24 9 2	24 20 54
	MAR. .	25 21 46	26 11 37
	APRIL	24 10 30	24 23 16
	MAY .	23 23 14	24 8 19
	JUNE .	22 11 58	22 15 41
	JULY .	22 0 42	21 22 32
	AUG. .	20 13 26	20 5 52
	SEPT. .	19 2 10	18 14 43
	OCT. .	18 14 54	18 1 53
	NOV. .	17 3 38	16 15 46
	DEC. .	16 16 22	16 8 16
1515. G. 11 21 32	JAN. .	15 5 6	15 2 34
	○	29 23 28	30 4 25
	FEB. .	13 17 50	13 21 26
	MAR. .	15 6 34	15 15 20
	APRIL	13 19 18	14 7 6
	MAY .	13 8 2	13 20 8
	JUNE .	11 20 46	12 6 33
	JULY .	11 9 30	11 15 7
	○	26 3 52	25 18 55
	AUG. .	9 22 14	9 22 50
	SEPT. .	8 10 58	8 6 43
	OCT. .	7 23 42	7 15 40
	NOV. .	6 12 26	6 2 16
	DEC. .	6 1 10	5 14 53
1516. F.E. 11 3 21	JAN. .	4 13 55	4 5 33
	○	19 8 17	19 19 2
	FEB. .	3 2 39	2 21 52
	MAR. .	3 15 23	3 15 8
	APRIL	2 4 7	2 8 24
	MAY .	1 16 51	2 0 36
		31 5 35	31 14 59
	JUNE .	29 18 19	30 3 12
	○	14 12 41	14 0 59
	JULY .	29 7 3	29 13 37
	AUG. .	27 19 47	27 22 56
	SEPT. .	26 8 31	26 8 2
	OCT. .	25 21 15	25 17 36
	NOV. .	24 9 59	24 4 6
	DEC. .	23 22 43	23 15 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1517.		d. h. m.	d. h. m.
D. March. d. h. m. 11 9 10	JAN.	22 11 27	22 4 28
	FEB.	21 0 11	20 18 23
	MAR.	22 12 56	22 9 21
	APRIL	21 1 40	21 1 0
	MAY	20 14 24	20 16 49
	JUNE	19 8 8	19 8 2
	JULY	18 15 52	18 22 6
	AUG.	17 4 36	17 10 48
	SEPT.	15 17 20	15 22 22
	OCT.	15 6 4	15 9 15
	NOV.	13 18 48	13 19 56
	DEC.	13 7 32	13 6 42
1518. C. 11 14 59	JAN.	11 20 16	11 17 38
	FEB.	10 9 0	10 4 47
	MAR.	11 21 44	11 16 20
	APRIL	10 10 28	10 4 41
	MAY	9 23 12	9 18 7
	○	24 17 34	25 0 23
	JUNE	8 11 56	8 8 42
	JULY	8 0 40	8 0 3
	AUG.	6 13 24	6 15 31
	SEPT.	5 2 8	5 6 31
	OCT.	4 14 52	4 20 39
	NOV.	3 3 36	3 9 49
	○	17 21 58	17 11 6
	DEC.	2 16 20	2 22 3
1519. B. 11 20 48	JAN.	1 5 4	1 9 25
		30 17 49	30 20 0
	FEB.	...	...
	MAR.	1 6 33	1 5 55
		30 19 17	30 15 32
	APRIL	29 8 1	29 1 29
	○	14 2 23	14 14 24
	MAY	28 20 45	28 12 35
	JUNE	27 9 29	27 1 22
	JULY	26 22 13	26 16 1
	AUG.	25 10 57	25 8 9
	SEPT.	23 23 41	24 0 58
	OCT.	23 12 25	23 17 35
	○	7 6 47	6 19 3
	NOV.	22 1 9	22 9 10
	DEC.	21 13 53	21 23 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1520.		d. h. m.	d. h. m.
A.G. March. d. h. m. 11 2 36	JAN.	20 2 38	20 11 34
	FEB.	18 15 22	18 22 9
	MAR.	19 4 6	19 7 17
	APRIL	17 16 50	17 15 31
	○	2 11 12	2 21 28
	MAY	17 5 34	16 23 40
	JUNE	15 18 18	15 8 42
	JULY	15 7 2	14 19 38
	AUG.	13 19 46	13 9 1
	SEPT.	12 8 30	12 0 56
	OCT.	11 21 14	11 18 42
	○	26 15 36	26 9 11
	NOV.	10 9 58	10 13 10
	DEC.	9 22 42	10 6 56
1521. F. 11 8 25	JAN.	8 11 26	8 22 56
	FEB.	7 0 10	7 12 27
	MAR.	8 12 54	8 23 29
	APRIL	7 1 38	7 8 21
	MAY	6 14 22	6 15 50
	JUNE	5 3 6	4 22 52
	JULY	4 15 50	4 6 30
	AUG.	3 4 34	2 15 52
	SEPT.	1 17 18	1 3 51
	OCT.	1 6 2	30 18 52
		30 18 46	30 12 33
	NOV.	29 7 30	29 7 43
	DEC.	28 20 14	29 3 1
1522. E. 11 14 14	JAN.	27 8 59	27 20 38
	FEB.	25 21 43	26 11 23
	○	12 16 5	12 10 27
	MAR.	27 10 27	27 23 26
	APRIL	25 23 11	26 8 40
	MAY	25 11 55	25 16 6
	JUNE	24 0 39	23 22 44
	JULY	23 13 23	23 5 43
	AUG.	22 2 7	21 14 7
	○	5 20 29	6 2 1
	SEPT.	20 14 51	20 0 54
	OCT.	20 3 35	19 14 40
	NOV.	18 16 19	18 7 24
	DEC.	18 5 3	18 2 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1523. D.		*d. h. m.*	*d. h. m.*
	JAN. .	16 17 47	16 21 46
	FEB. .	15 6 31	15 16 16
March. *d. h. m.* 11 20 3	○	2 0 53	1 21 56
	MAR. .	16 19 15	17 8 25
	APRIL	15 7 59	15 21 30
	MAY .	14 20 43	15 7 44
	JUNE .	13 9 27	13 15 49
	JULY .	12 22 11	12 22 51
	AUG. .	11 10 55	11 5 58
	○	26 5 17	26 5 38
	SEPT. .	9 23 39	9 14 2
	OCT. .	9 12 23	9 0 5
	NOV. .	8 1 7	7 12 39
	DEC. .	7 13 51	7 8 52
1524. C.B.	JAN. .	6 2 36	5 21 19
	FEB. .	4 15 20	4 15 54
	○	19 9 42	19 13 43
11 1 52	MAR. .	5 4 4	5 10 16
	APRIL	3 16 48	4 3 6
	MAY .	3 5 32	3 17 29
	JUNE .	1 18 16	2 5 11
	JULY .	1 7 0	1 14 38
		30 19 44	30 22 47
	AUG. .	29 8 28	29 6 39
	SEPT. .	27 21 12	27 15 10
	OCT. .	27 9 56	27 1 1
	NOV. .	25 22 40	25 12 40
	DEC. .	25 11 24	25 2 14
1525. A.	JAN. .	24 0 9	23 17 36
	FEB. .	22 12 53	22 10 15
11 7 41	MAR. .	24 1 37	24 8 21
	APRIL	22 14 21	22 20 5
	MAY .	22 3 5	22 11 23
	JUNE .	20 15 49	21 0 44
	○	5 10 11	4 23 31
	JULY .	20 4 33	20 12 10
	AUG. .	18 17 17	18 22 9
	SEPT. .	17 6 1	17 7 30
	OCT. .	16 18 45	16 17 0
	NOV. .	15 7 29	15 3 8
	DEC. .	14 20 13	14 14 13
	○	29 14 35	29 23 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1526. G.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 11 13 29	JAN. .	13 8 57	13 2 17
	FEB. .	11 21 41	11 15 23
	MAR. .	13 10 25	13 5 32
	APRIL	11 23 9	11 20 36
	MAY .	11 11 53	11 12 12
	JUNE .	10 0 37	10 3 45
	○	24 18 59	24 14 19
	JULY .	9 13 21	9 18 42
	AUG. .	8 2 5	8 8 8
	SEPT. .	6 14 49	6 20 29
	OCT. .	6 3 33	6 7 57
	NOV. .	4 16 17	4 18 56
	DEC. .	4 5 1	4 5 47
	○	18 23 23	18 23 54
1527. F.	JAN. .	2 17 46	2 16 37
	FEB. .	1 6 30	1 3 30
11 19 18	MAR. .	2 19 14	2 14 31
	APRIL	1 7 58	1 2 11
		30 20 42	30 14 46
	MAY .	30 9 26	30 4 36
	○	14 3 48	14 7 33
	JUNE .	28 22 10	28 19 31
	JULY .	28 10 54	28 11 6
	AUG. .	26 23 38	27 2 38
	SEPT. .	25 12 22	25 17 32
	OCT. .	25 1 6	25 7 29
	NOV. .	23 13 50	23 20 23
	○	8 8 12	7 23 50
	DEC. .	23 2 31	23 8 18
1528. E.D.	JAN. .	21 15 19	21 19 14
	FEB. .	20 4 3	20 5 17
11 1 7	MAR. .	20 16 47	20 14 45
	APRIL	19 5 31	19 0 12
	MAY .	18 18 15	18 10 23
	JUNE .	17 6 59	16 22 6
	JULY .	16 19 43	16 11 47
	AUG. .	15 8 27	15 3 19
	SEPT. .	13 21 11	13 20 6
	OCT. .	13 9 55	13 18 12
	NOV. .	11 22 39	12 5 39
	DEC. .	11 11 23	11 20 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1529.			
C. March. d. h. m. 11 6 56	JAN. .	10 0 7	10 10 0
	FEB. .	8 12 51	8 21 21
	MAR. .	10 1 35	10 7 1
	APRIL	8 14 19	8 15 25
	○	23 8 41	23 17 25
	MAY .	8 3 3	7 23 17
	JUNE .	6 15 47	6 7 35
	JULY .	6 4 31	5 17 21
	AUG. .	4 17 15	4 5 27
	SEPT. .	3 5 59	2 20 12
	OCT. .	2 18 43	2 13 19
	○	17 13 5	17 8 31
	NOV. .	1 7 27	1 7 48
		30 20 11	1 2 15
	DEC. .	30 8 55	30 19 23
1530. B. 11 12 45	JAN. .	28 21 40	29 10 14
	FEB. .	27 10 24	27 22 25
	MAR. .	28 23 8	29 8 10
	○	12 17 30	12 17 46
	APRIL	27 11 52	27 16 5
	MAY .	27 0 36	26 23 5
	JUNE .	25 13 20	25 6 12
	JULY .	25 2 4	24 14 33
	AUG. .	23 14 48	23 1 10
	SEPT.	22 3 32	21 14 43
	○	6 21 54	7 0 25
	OCT. .	21 16 16	21 7 16
	NOV. .	20 5 0	20 2 0
	DEC. .	19 17 44	19 21 31
1531. A. 11 18 34	JAN. .	18 6 29	18 16 9
	FEB. .	16 19 13	17 8 28
	MAR. .	18 7 57	18 21 47
	○	2 2 19	1 20 55
	APRIL	16 20 41	17 8 11
	MAY .	16 9 25	16 16 19
	JUNE .	14 22 9	14 23 10
	JULY .	14 10 53	14 5 50
	AUG. .	12 23 37	12 13 29
	SEPT. .	11 12 21	10 23 3
	○	26 6 43	26 12 21
	OCT. .	11 1 5	10 11 23
	NOV. .	9 13 49	9 2 43
	DEC. .	9 2 33	8 20 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1532.			
G.F. March. d. h. m. 11 0 22	JAN. .	7 15 17	7 16 0
	FEB. .	6 4 1	6 11 7
	MAR. .	6 16 45	7 4 28
	APRIL	5 5 29	5 19 2
	MAY .	4 18 13	5 6 36
	JUNE .	3 6 57	3 15 38
	JULY .	2 19 41	2 23 5
	AUG. .	1 8 25	1 6 6
		30 21 9	30 13 44
	SEPT. .	29 9 53	28 22 51
	OCT. .	28 22 37	28 10 13
	NOV. .	27 11 21	27 0 9
	DEC. .	27 0 5	26 16 28
1533. E. 11 6 11	JAN. .	25 12 50	25 10 29
	○	9 7 12	9 13 7
	FEB. .	24 1 34	24 4 57
	MAR. .	25 14 18	25 22 33
	APRIL	24 3 2	24 14 7
	MAY .	23 15 46	24 3 6
	JUNE .	22 4 30	22 13 41
	JULY .	21 17 14	21 22 30
	○	5 11 36	5 1 43
	AUG. .	20 5 58	20 6 34
	SEPT. .	18 18 42	18 14 52
	OCT. .	18 7 26	18 0 9
	NOV. .	16 20 10	16 10 58
	DEC. .	16 8 54	15 23 33
1534. D. 11 12 0	JAN. .	14 21 39	14 13 55
	○	29 16 1	30 3 37
	FEB. .	13 10 23	13 5 44
	MAR. .	14 23 7	14 22 29
	APRIL	13 11 51	13 15 17
	MAY .	13 0 35	13 7 17
	JUNE .	11 13 19	11 21 39
	JULY .	11 2 3	11 10 8
	○	25 20 25	25 8 6
	AUG. .	9 14 47	9 20 59
	SEPT. .	8 3 31	8 6 48
	OCT. .	7 16 15	7 16 23
	NOV. .	6 4 59	6 2 22
	DEC. .	5 17 43	5 13 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1535.			
C.	JAN. .	4 6 27	4 0 32
March.	FEB. .	2 19 11	2 12 55
d. h. m.	MAR. .	4 7 55	4 2 16
11 17 49	APRIL	2 20 39	2 16 36
	MAY .	2 9 28	2 7 45
		31 22 7	31 23 17
	JUNE .	30 10 51	30 14 32
	JULY .	29 23 35	30 4 54
	AUG. .	28 12 19	23 18 8
	SEPT. .	27 1 3	27 6 17
	OCT. .	26 13 47	26 17 44
	NOV. .	25 2 31	25 4 48
	DEC. .	24 15 15	24 15 41
1536.	JAN. .	23 4 0	23 2 28
B.A.	FEB. .	21 16 44	21 13 12
10 23 33	MAR. .	22 5 28	22 0 12
	APRIL	20 18 12	20 11 56
	MAY .	20 6 56	20 0 54
	○	4 1 18	4 7 49
	JUNE .	18 19 40	18 15 9
	JULY .	18 8 24	18 6 32
	AUG. .	16 21 8	16 22 20
	SEPT. .	15 9 52	15 13 53
	OCT. .	14 22 36	15 4 38
	NOV. .	13 11 20	13 18 20
	○	28 5 42	27 19 20
	DEC. .	13 0 4	13 6 53
1537.	JAN. .	11 12 48	11 18 20
G.	FEB. .	10 1 32	10 4 41
11 5 27	MAR. .	11 14 16	11 14 11
	APRIL	10 3 0	9 23 17
	MAY .	9 15 44	9 8 46
	○	24 10 6	24 21 32
	JUNE .	8 4 28	7 19 27
	JULY .	7 17 12	7 8 1
	AUG. .	6 5 56	5 22 41
	SEPT. .	4 18 40	4 15 5
	OCT. .	4 7 24	4 8 23
	NOV. .	2 20 8	3 1 32
	○	17 14 30	17 3 33
	DEC. .	2 8 52	2 17 35
		31 21 36	...

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1538.			
F.	JAN. .	...	1 7 55
		30 10 21	30 20 14
March.	FEB. .	28 23 5	1 6 35
d. h. m.	MAR. .	30 11 49	30 15 21
11 11 15	APRIL	29 0 33	28 23 11
	○	13 18 55	14 4 14
	MAY .	28 13 17	28 6 59
	JUNE .	27 2 1	26 15 47
	JULY .	26 14 45	26 2 34
	AUG. .	25 3 29	24 16 1
	SEPT. .	23 16 13	23 8 9
	OCT. .	23 4 57	23 2 17
	○	6 23 19	6 17 55
	NOV. .	21 17 41	21 21 5
	DEC. .	21 6 25	21 15 12
1539.	JAN. .	19 19 9	20 7 18
E.	FEB. .	18 7 53	18 20 47
11 17 4	MAR. .	19 20 33	20 7 36
	APRIL	18 9 22	18 16 12
	MAY .	17 22 6	17 23 26
	JUNE .	16 10 50	16 6 16
	JULY .	15 23 34	15 13 50
	AUG. .	14 12 18	13 23 12
	SEPT. .	13 1 2	12 11 18
	OCT. .	12 13 46	12 2 23
	NOV. .	11 2 30	10 20 20
	DEC. .	10 15 14	10 15 45
1540.	JAN. .	9 3 58	9 11 8
D.C.	FEB. .	7 16 42	8 4 33
10 22 53	MAR. .	8 5 26	8 19 25
	○	22 23 48	22 18 7
	APRIL	6 18 10	7 7 8
	MAY .	6 6 54	6 16 13
	JUNE .	4 19 38	4 23 34
	JULY .	4 8 22	4 6 10
	AUG. .	2 21 6	2 13 16
			31 21 49
	SEPT. ○	1 9 50	
		16 4 12	16 9 31
		30 22 34	30 8 47
	OCT. .	30 11 18	29 22 43
	NOV. .	29 0 2	28 15 27
	DEC. .	28 12 46	23 10 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1541. B.		d. h. m.	d. h. m.
	JAN.	27 1 31	27 5 35
	FEB.	25 14 15	25 23 54
March. d. h. m. 11 4 42	○	12 8 37	12 6 9
	MAR.	27 2 59	27 15 51
	APRIL	25 15 43	26 4 50
	MAY	25 4 27	25 15 1
	JUNE	23 17 11	23 23 9
	JULY	23 5 55	23 6 21
	AUG.	21 18 39	21 18 41
	○	5 13 1	5 12 38
	SEPT.	20 7 23	19 22 6
	OCT.	19 20 7	19 8 25
	NOV.	18 8 51	17 21 6
	DEC.	17 21 35	17 12 14
1542. A.	JAN.	16 10 20	16 5 22
	FEB.	14 23 4	14 23 34
	○	1 17 26	1 22 11
11 10 31	MAR.	16 11 48	16 17 34
	APRIL	15 0 32	15 10 8
	MAY	14 13 16	15 0 23
	JUNE	13 2 0	13 12 11
	JULY	12 14 44	12 21 58
	AUG.	11 3 28	11 6 23
	SEPT.	9 16 12	9 14 40
	OCT.	9 4 56	8 23 33
	NOV.	7 17 40	7 9 42
	DEC.	7 6 24	6 21 25
1543. C.	JAN.	5 19 8	5 10 47
	FEB.	4 7 52	4 1 42
11 16 19	MAR.	5 20 36	5 17 48
	APRIL	4 9 20	4 10 25
	MAY	3 22 4	4 2 46
	JUNE	2 10 48	2 17 59
	JULY ○	1 23 32	2 7 30
		16 17 54	16 6 42
		31 12 16	31 19 18
	AUG.	30 1 0	30 5 47
	SEPT.	28 13 44	28 15 40
	OCT.	28 2 28	28 1 37
	NOV.	26 15 12	26 12 1
	DEC.	26 3 56	25 23 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1544. F.E.		d. h. m.	d. h. m.
	○	9 22 19	10 7 46
	JAN.	21 16 41	24 10 55
March. d. h. m. 10 22 8	FEB.	23 5 25	22 23 31
	MAR.	23 18 9	23 13 3
	APRIL	22 6 53	22 3 34
	MAY	21 19 37	21 18 45
	JUNE	20 8 21	20 10 12
	○	5 2 43	4 21 45
	JULY	19 21 5	20 1 11
	AUG.	18 9 49	18 15 14
	SEPT.	16 22 33	17 4 11
	OCT.	16 11 17	16 16 14
	NOV.	15 0 1	15 3 40
	DEC.	14 12 45	14 14 45
	○	29 7 7	29 7 52
1545. D.	JAN.	13 1 30	13 1 33
	FEB.	11 14 14	11 12 6
11 8 57	MAR.	13 2 58	12 22 39
	APRIL	11 15 42	11 9 42
	MAY	11 4 26	10 21 44
	JUNE	9 17 10	9 11 11
	○	24 11 32	24 15 3
	JULY	9 5 54	9 2 0
	AUG.	7 18 38	7 17 46
	SEPT.	6 7 22	6 9 45
	OCT.	5 20 6	6 1 15
	NOV.	4 8 50	4 15 47
	DEC.	3 21 34	4 5 7
	○	18 15 56	18 8 1
1546. C.	JAN.	2 10 18	2 17 12
		31 23 2	...
	FEB.	...	1 4 1
11 9 46	MAR.	2 11 46	2 13 43
			31 22 44
	APRIL	1 0 30	
		30 13 14	30 7 40
	MAY	30 1 58	29 17 26
	JUNE	28 14 42	28 4 52
	JULY	28 3 26	27 18 27
	AUG.	26 16 10	26 10 8
	SEPT.	25 4 54	25 3 19
	OCT.	24 17 38	24 20 55
	NOV.	23 6 22	23 13 52
	DEC.	22 19 6	23 5 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 1547.		*d. h. m.*	*d. h. m.*
B. March. *d. h. m.* 11 15 34	JAN. .	21 7 51	21 18 40
	FEB. .	19 20 35	20 5 54
	MAR. .	21 9 19	21 15 14
	APRIL	19 22 8	19 23 15
	○	4 16 25	5 0 10
	MAY .	19 10 47	19 6 46
	JUNE .	17 23 31	17 14 48
	JULY .	17 12 15	17 0 25
	AUG. .	16 0 59	15 12 30
	SEPT. .	14 13 43	14 8 24
	OCT. .	14 2 27	13 20 46
	○	28 20 49	28 17 9
	NOV. .	12 15 11	12 15 35
	DEC. .	12 3 55	12 10 28
1548. A.G. 10 21 23	JAN. .	10 16 40	11 3 43
	FEB. .	9 5 24	9 18 34
	MAR. .	9 18 8	10 6 35
	APRIL	8 6 52	8 16 4
	○	23 1 14	23 0 36
	MAY .	7 19 36	7 23 46
	JUNE .	6 8 20	6 6 33
	JULY .	5 21 4	5 13 35
	AUG. .	4 9 48	3 21 57
	SEPT. .	2 22 32	2 8 37
	OCT. .	2 11 16	1 22 20
	○	17 5 38	17 8 48
	NOV. .	1 0 0	31 15 2
		30 12 44	30 9 55
	DEC. .	30 1 28	30 5 31
1549. F. 11 8 12	JAN. .	28 14 12	29 0 7
	FEB. .	27 2 56	27 16 20
	MAR. .	28 15 40	29 5 31
	○	12 10 2	12 4 14
	APRIL	27 4 24	27 15 45
	MAY .	26 17 8	26 23 45
	JUNE .	25 5 52	25 6 33
	JULY .	24 18 36	24 13 22
	AUG. .	23 7 20	22 21 10
	SEPT. .	21 20 4	21 6 57
	○	6 14 26	6 20 17
	OCT. .	21 8 48	20 19 25
	NOV. .	19 21 32	19 10 50
	DEC. .	19 10 16	19 4 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1550.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 11 9 1	JAN. .	17 23 1	17 23 54
	FEB. .	16 11 45	16 18 48
	MAR. .	18 0 29	18 11 55
	APRIL	16 13 18	17 2 21
	MAY .	16 1 57	16 13 50
	JUNE .	14 14 41	14 22 55
	JULY .	14 3 25	14 6 33
	AUG. .	12 16 9	12 13 48
	SEPT. .	11 4 53	10 21 44
	OCT. .	10 17 37	10 7 10
	NOV. .	9 6 21	8 18 42
	DEC. .	8 19 5	8 8 37
1551. D. 11 14 50	JAN. .	7 7 49	7 0 42
	FEB. .	5 20 33	5 18 18
	○	20 14 55	20 21 40
	MAR. .	7 9 17	7 12 19
	APRIL	5 22 1	6 5 34
	MAY .	5 10 45	5 20 59
	JUNE .	3 23 29	4 10 0
	JULY .	3 12 18	3 20 46
	AUG. ○	2 0 57	2 5 56
		16 19 19	16 8 35
		31 13 41	31 14 25
	SEPT. .	30 2 25	29 23 8
	OCT. .	29 15 9	29 8 46
	NOV. .	28 3 53	27 19 44
	DEC. .	27 16 37	27 8 14
1552. C.B. 10 20 39	JAN. .	26 5 22	25 22 13
	○	9 23 44	10 12 3
	FEB. .	24 18 6	24 13 32
	MAR. .	25 6 50	25 5 42
	APRIL	23 19 34	23 22 3
	MAY .	23 8 18	23 13 50
	JUNE .	21 21 2	22 4 17
	JULY .	21 9 46	21 17 5
	○	5 4 8	4 15 20
	AUG. .	19 22 30	20 4 21
	SEPT. .	18 11 14	18 14 46
	OCT. .	17 23 58	18 0 51
	NOV. .	16 12 42	16 11 10
	DEC. .	16 1 26	15 21 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1553.		d. h. m.	d. h. m.	A.D. 1556.		d. h. m.	d. h. m.
A. March. d. h. m. 11 2 27	JAN. .	14 14 11	14 9 20	E.D. March. d. h. m. 10 19 54	JAN. .	12 5 21	12 16 34
	FEB. .	13 2 55	12 21 17		FEB. .	10 18 5	11 4 48
	MAR. .	14 15 39	14 10 8		MAR. .	11 6 49	11 14 55
	APRIL	13 4 23	12 23 46		APRIL	9 19 33	9 23 19
	MAY .	12 17 7	12 14 26		MAY .	9 8 17	9 6 48
	JUNE .	11 5 51	11 5 44		○	24 2 39	24 10 54
	JULY .	10 18 35	10 21 8		JUNE .	7 21 1	7 14 20
	AUG. .	9 7 19	9 11 48		JULY .	7 9 45	6 22 56
	SEPT. .	7 20 8	8 1 34		AUG. .	5 22 29	5 9 40
	OCT. .	7 8 47	7 14 21		SEPT. .	4 11 13	3 23 12
	NOV. .	5 21 31	6 2 19		OCT. .	3 23 57	3 15 20
	DEC. .	5 10 15	5 13 42		NOV. .	2 12 41	2 9 56
					○	17 7 8	17 2 44
1554. G. 11 8 16	JAN. .	3 22 59	4 0 39		DEC. .	2 1 25	2 5 6
	FEB. .	2 11 43	2 11 11			31 14 9	31 23 24
	MAR. .	4 0 27	3 21 28				
	APRIL	2 13 11	2 7 55	1557. C. 11 1 43	JAN. .	30 2 53	30 15 35
	MAY .	2 1 55	1 19 7		FEB. .	28 15 37	1 4 58
		31 14 39	31 7 37		MAR. .	30 4 21	30 15 44
	○	15 9 1	15 15 11		APRIL	28 17 5	28 23 55
	JUNE .	30 8 23	29 21 41		MAY .	28 5 49	28 6 56
	JULY .	29 16 7	29 13 5		JUNE .	26 18 33	26 13 40
	AUG. .	28 4 51	28 5 15		JULY .	26 7 17	25 21 13
	SEPT. .	26 17 35	26 21 19		AUG. .	24 20 1	24 6 40
	OCT. .	26 6 19	26 12 41		SEPT. .	23 8 45	22 18 54
	NOV. .	24 19 8	25 2 52		OCT. .	22 21 29	22 10 13
	○	9 13 25	9 3 37		NOV. .	21 10 13	21 4 13
	DEC. .	24 7 47	24 15 43		DEC. .	20 22 57	20 23 42
1555. F. 11 14 5	JAN. .	22 20 32	23 3 9	1558. B. 11 7 32	JAN. .	19 11 42	19 19 1
	FEB. .	21 9 16	21 13 16		FEB. .	18 0 26	18 12 30
	MAR. .	22 22 0	22 22 21		MAR. .	19 13 10	20 3 10
	APRIL	21 10 44	21 6 59		○	3 7 32	3 1 42
	MAY .	20 23 28	20 16 1		APRIL	18 1 54	18 14 44
	○	4 17 50	5 4 37		MAY .	17 14 33	17 23 42
	JUNE .	19 12 12	19 2 21		JUNE .	16 3 22	16 6 59
	JULY .	19 0 56	18 14 46		JULY .	15 16 6	15 13 41
	AUG. .	17 13 40	17 5 29		AUG. .	14 4 50	13 20 55
	SEPT. .	16 2 24	15 22 9		SEPT. .	12 17 34	12 5 42
	OCT. .	15 15 8	15 15 54		○	27 11 56	27 17 9
	NOV. .	14 3 52	14 9 34		OCT. .	12 6 18	11 16 53
	○	28 22 14	28 12 19		NOV. .	10 19 2	10 6 53
	DEC. .	13 16 36	14 2 2		DEC. .	10 7 46	9 23 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1559.		d. h. m.	d. h. m.
A. March. d. h. m. 11 18 20	JAN. .	8 20 31	8 18 13
	FEB. .	7 9 15	7 13 19
	MAR. .	8 21 59	9 7 22
	○	23 16 21	23 14 14
	APRIL	7 10 43	7 23 7
	MAY .	6 23 27	7 12 1
	JUNE .	5 12 11	5 22 14
	JULY .	5 0 55	5 6 32
	AUG. .	3 13 39	3 13 59
	SEPT. .	2 2 23	1 21 37
	○	16 20 45	16 19 45
	OCT. .	1 15 7	1 6 21
		31 3 51	30 16 55
	NOV. .	29 16 35	29 5 39
	DEC. .	29 5 19	28 20 36
1560. G.F. 10 19 9	JAN. .	27 18 3	27 13 22
	FEB. .	26 6 47	26 7 5
	○	12 1 9	12 6 30
	MAR. .	26 19 31	27 0 40
	APRIL	25 8 15	25 16 58
	MAY .	24 20 59	25 7 12
	JUNE .	23 9 43	23 19 8
	JULY .	22 22 27	23 5 10
	AUG. .	21 11 11	21 14 4
	○	5 5 33	4 19 50
	SEPT. .	19 23 55	19 22 47
	OCT. .	19 12 39	19 8 4
	NOV. .	18 1 23	17 18 28
	DEC. .	17 14 7	17 6 11
1561. E. 11 0 58	JAN. .	16 2 51	15 19 18
	FEB. .	14 15 35	14 9 43
	MAR. .	16 4 20	16 1 15
	APRIL	14 17 4	14 17 21
	MAY .	14 5 48	14 9 22
	JUNE .	12 18 32	13 0 32
	JULY .	12 7 16	12 14 18
	AUG. .	10 20 0	11 2 32
	SEPT. .	9 8 44	9 13 33
	OCT. .	8 21 28	9 0 18
	NOV. .	7 10 12	7 10 19
	DEC. .	6 22 56	6 20 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1562.		d. h. m.	d. h. m.
D. March. d. h. m. 11 6 47	JAN. .	5 11 41	5 8 0
	○	20 6 3	20 15 54
	FEB. .	4 0 25	3 19 29
	MAR. .	5 13 9	5 7 33
	APRIL	4 1 53	3 20 27
	MAY .	3 14 37	3 10 24
	JUNE .	2 3 21	2 1 18
	JULY ○	1 16 5	1 16 41
		16 10 27	16 5 13
		31 4 49	31 7 54
	AUG. .	29 17 33	29 22 26
	SEPT. .	28 6 17	28 11 59
	OCT. .	27 19 1	28 0 37
	NOV. .	26 7 45	26 12 29
	DEC. .	25 20 29	25 23 42
1563. C. 11 12 36	○	9 14 51	9 15 48
	JAN. .	24 9 13	24 10 22
	FEB. .	22 21 57	22 20 35
	MAR. .	24 10 41	24 6 37
	APRIL	22 23 25	22 17 5
	MAY .	22 12 9	22 4 38
	JUNE .	21 0 53	20 17 45
	○	5 19 15	5 22 27
	JULY .	20 13 37	20 8 31
	AUG. .	19 2 21	19 0 32
	SEPT. .	17 15 5	17 16 58
	OCT. .	17 3 49	17 9 3
	NOV. .	15 16 33	16 0 8
	DEC. .	15 5 17	15 13 51
	○	29 23 39	29 16 14
1564. B.A. 10 18 25	JAN. .	13 18 2	14 2 2
	FEB. .	12 6 46	12 12 42
	MAR. .	12 19 30	12 22 2
	APRIL	11 8 14	11 6 35
	MAY .	10 20 58	10 15 6
	JUNE .	9 9 42	9 0 29
	JULY .	8 22 26	8 11 41
	AUG. .	7 11 10	7 1 15
	SEPT. .	5 23 54	5 17 7
	OCT. .	5 12 38	5 10 40
	NOV. .	4 1 22	4 4 46
	DEC. .	3 14 6	3 22 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1565. G.		d. h. m.	d. h. m.
	JAN.	2 2 50	2 13 50
		31 15 34	...
March. d. h. m. 11 0 13	FEB.	...	1 8 14
	MAR.	2 4 18	2 14 16
		31 17 2	31 23 17
	APRIL	30 5 46	30 6 58
	○	15 0 8	15 6 49
	MAY	29 18 30	29 14 11
	JUNE	28 7 14	27 22 1
	JULY	27 19 58	27 7 38
	AUG.	26 8 42	25 19 31
	SEPT.	24 21 26	24 10 43
	OCT.	24 10 10	24 4 20
	○	8 4 32	8 1 54
	NOV.	22 22 54	22 23 27
	DEC.	22 11 38	22 18 30
1566. F.	JAN.	21 0 23	21 11 56
	FEB.	19 13 7	20 2 48
11 6 2	MAR.	21 1 51	21 14 34
	APRIL	19 14 35	19 23 50
	○	4 8 57	4 7 19
	MAY	19 3 19	19 7 19
	JUNE	17 16 3	17 13 59
	JULY	17 4 47	16 20 59
	AUG.	15 17 31	15 5 25
	SEPT.	14 6 15	13 16 14
	OCT.	13 18 59	13 6 15
	○	28 13 21	28 17 19
	NOV.	12 7 43	11 22 54
	DEC.	11 20 27	11 17 51
1567. E.	JAN.	10 9 12	10 13 28
	FEB.	8 21 56	9 7 59
11 11 51	MAR.	10 10 40	11 0 4
	APRIL	8 23 24	9 13 6
	○	23 17 46	23 11 27
	MAY	8 12 8	8 23 13
	JUNE	7 0 52	7 7 10
	JULY	6 13 36	6 14 5
	AUG.	5 2 20	4 20 59
	SEPT.	3 15 4	3 5 1
	OCT.	3 3 48	2 15 1
	○	17 22 10	18 4 16
	NOV.	1 16 32	1 8 39
	DEC.	1 5 16	30 19 4
		30 18 0	30 12 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1568. D.C. March. d. h. m. 10 17 40		d. h. m.	d. h. m.
	JAN.	29 6 44	29 7 40
	FEB.	27 19 28	28 2 17
	MAR.	28 8 12	28 19 11
	APRIL	26 20 56	27 9 28
	MAY	26 9 40	26 20 58
	JUNE	24 22 24	25 6 10
	JULY	24 11 8	24 14 2
	AUG.	22 23 52	22 21 37
	SEPT.	21 12 36	21 6 52
	OCT.	21 1 20	20 15 37
	NOV.	19 14 4	19 3 17
	DEC.	19 2 48	18 17 6
1569. B.	JAN.	17 15 33	17 8 53
	FEB.	16 4 17	16 2 1
	○	2 22 39	3 6 6
10 23 29	MAR.	17 17 1	17 19 35
	APRIL	16 5 45	16 12 23
	MAY	15 18 29	16 3 44
	JUNE	14 7 13	14 16 52
	JULY	13 19 57	14 3 54
	AUG.	12 8 41	12 13 23
	○	27 3 3	26 15 36
	SEPT.	10 21 25	10 22 23
	OCT.	10 10 9	10 7 32
	NOV.	8 22 53	8 17 30
	DEC.	8 11 37	8 4 35
1570. A.	JAN.	7 0 22	6 16 55
	FEB.	5 13 6	5 6 29
	○	20 7 28	20 20 24
11 5 18	MAR.	7 1 50	6 21 12
	APRIL	5 14 34	5 12 47
	MAY	5 3 18	5 4 45
	JUNE	3 16 2	3 20 22
	JULY	3 4 46	3 10 57
	AUG. ○	1 17 30	2 0 6
		16 11 52	15 22 41
		31 6 14	31 11 57
	SEPT.	29 18 58	29 22 51
	OCT.	29 7 42	29 9 26
	NOV.	27 20 26	27 20 4
	DEC.	27 9 10	27 6 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1571. G. March. d. h. m. 11 11 6	JAN.	25 21 54	25 18 1
	FEB.	24 10 38	24 5 31
	MAR.	25 23 22	25 17 41
	APRIL	24 12 6	24 6 48
	MAY	24 0 50	23 21 2
	JUNE	22 13 34	22 12 9
	JULY	22 2 18	22 8 37
	○	5 20 40	5 12 39
	AUG.	20 15 2	20 18 45
	SEPT.	19 8 46	19 9 6
	OCT.	18 16 30	18 22 29
	NOV.	17 5 14	17 10 57
	DEC.	16 17 58	16 22 38
1572. F.E. 10 16 55	JAN.	15 6 43	15 9 35
	FEB.	13 19 27	13 19 50
	MAR.	14 8 11	14 5 40
	APRIL	12 20 55	12 15 34
	MAY	12 9 39	12 2 13
	JUNE	10 22 23	10 14 20
	○	25 16 45	25 22 32
	JULY	10 11 7	10 4 14
	AUG.	8 23 51	8 19 45
	SEPT.	7 12 35	7 12 15
	OCT.	7 1 19	7 4 54
	NOV.	5 14 3	5 20 50
	DEC.	5 2 48	5 11 30
	○	19 21 10	19 11 59
1573. D. 10 22 44	JAN.	3 15 32	4 0 32
	FEB.	2 4 16	2 11 53
	MAR.	3 17 0	3 21 42
	APRIL	2 5 44	2 6 22
	MAY	1 18 28	1 14 35
		31 7 12	30 23 13
	○	15 1 34	15 11 37
	JUNE	29 19 56	29 9 17
	JULY	29 8 40	28 21 34
	AUG.	27 21 24	27 12 24
	SEPT.	26 10 8	26 5 23
	OCT.	25 22 52	25 23 34
	NOV.	24 11 36	24 17 41
	○	9 5 58	8 21 6
	DEC.	24 0 20	24 10 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1574. C. March. d. h. m. 11 4 33	JAN.	22 13 4	23 1 5
	FEB.	21 1 48	21 13 13
	MAR.	22 14 32	22 23 3
	APRIL	21 8 16	21 7 9
	MAY	20 16 0	20 14 20
	○	4 10 22	4 17 30
	JUNE	19 4 44	18 21 37
	JULY	18 17 28	18 6 7
	AUG.	17 6 12	16 16 51
	SEPT.	15 18 56	15 6 29
	OCT.	15 7 40	14 23 2
	NOV.	13 20 24	13 17 42
	○	28 14 46	28 11 37
	DEC.	13 9 8	13 13 7
1575. B. 11 10 22	JAN.	11 21 53	12 7 34
	FEB.	10 10 37	10 23 45
	MAR.	11 23 21	12 13 0
	APRIL	10 12 5	10 23 22
	MAY	10 0 49	10 7 32
	JUNE	8 13 33	8 14 25
	JULY	8 2 17	7 21 5
	AUG.	6 15 1	6 4 43
	SEPT.	5 3 45	4 14 18
	OCT.	4 16 29	4 2 41
	NOV.	3 5 13	2 18 7
	DEC.	2 17 57	2 12 12
1576. A.G. 10 16 11	JAN.	1 6 41	1 7 39
		30 19 25	31 2 51
	FEB.	29 8 9	29 20 13
	MAR.	29 20 54	30 10 44
	○	13 15 16	13 9 11
	APRIL	28 9 38	28 22 11
	MAY	27 22 22	28 7 5
	JUNE	26 11 6	26 14 25
	JULY	25 23 50	25 21 14
	AUG.	24 12 34	24 4 43
	SEPT.	23 1 18	22 13 45
	○	7 19 40	8 0 53
	OCT.	22 14 2	22 1 7
	NOV.	21 2 46	20 15 11
	DEC.	20 15 30	20 7 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1577.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 10 21 59	JAN.	19 4 14	19 2 7
	FEB.	17 16 58	17 20 54
	MAR.	19 5 42	19 14 39
	○	8 0 4	2 22 11
	APRIL	17 18 26	18 6 13
	MAY	17 7 10	17 19 4
	JUNE	15 19 54	16 5 23
	JULY	15 8 38	15 18 54
	AUG.	13 21 22	13 21 38
	SEPT.	12 10 6	12 5 39
	○	27 4 23	27 3 0
	OCT.	11 22 50	11 14 44
	NOV.	10 11 34	10 1 30
	DEC.	10 0 18	9 14 15
1578. E. 11 3 43	JAN.	8 13 3	8 4 58
	FEB.	7 1 47	6 21 17
	MAR.	8 14 31	8 14 30
	○	23 8 53	23 14 42
	APRIL	7 3 15	7 7 39
	MAY	6 15 59	6 23 43
	JUNE	5 4 43	5 13 58
	JULY	4 17 27	5 2 6
	AUG.	3 6 11	3 12 30
	SEPT.	1 18 55	1 21 51
	○	16 13 17	16 3 1
	OCT.	1 7 39	1 7 3
		30 20 23	30 16 45
	NOV.	29 9 7	29 3 19
	DEC.	28 21 51	28 15 0
1579. D. 11 9 37	JAN.	27 10 35	27 3 46
	FEB.	25 23 19	25 17 39
	MAR.	27 12 3	27 8 32
	APRIL	26 0 47	26 0 9
	MAY	25 13 31	25 15 53
	JUNE	24 2 15	24 7 4
	JULY	23 14 59	23 21 5
	AUG.	22 3 43	22 9 48
	SEPT.	20 16 27	20 21 25
	OCT.	20 5 11	20 8 23
	NOV.	18 17 55	18 19 8
	DEC.	18 6 39	18 5 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1580. C.B.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 10 15 26	JAN.	16 19 24	16 16 51
	○	31 13 46	31 23 52
	FEB.	15 8 8	15 3 56
	MAR.	15 20 52	15 15 27
	APRIL	14 9 36	14 3 45
	MAY	13 22 20	13 17 10
	JUNE	12 11 4	12 7 45
	JULY	11 23 48	11 23 8
	○	26 18 10	26 12 45
	AUG.	10 12 32	10 14 39
	SEPT.	9 1 16	9 5 42
	OCT.	8 14 0	8 19 53
	NOV.	7 2 44	7 9 4
	DEC.	6 15 28	6 21 19
1581. A. 10 21 15	JAN.	5 4 13	5 8 40
	○	19 22 35	19 23 40
	FEB.	3 16 57	3 19 8
	MAR.	5 5 41	5 4 58
	APRIL	3 18 25	3 14 29
	MAY	3 7 9	3 0 24
	JUNE	1 19 53	1 11 30
	JULY ○	1 8 37	1 0 22
		16 2 59	16 5 54
		30 21 21	30 15 8
	AUG.	29 10 5	29 7 23
	SEPT.	27 22 49	28 0 18
	OCT.	27 11 33	27 16 59
	NOV.	26 0 17	26 8 34
	DEC.	25 13 1	25 22 35
1582. G. 11 3 4	○	9 7 23	9 0 26
	JAN.	24 1 45	24 10 46
	FEB.	22 14 29	22 21 14
	MAR.	24 3 13	24 6 12
	APRIL	22 15 57	22 14 20
	MAY	22 4 41	21 22 25
	JUNE	20 17 25	20 7 32
	JULY	20 6 9	19 18 34
	AUG.	18 18 53	18 8 8
	SEPT.	17 7 37	17 0 14
	OCT.	16 20 21	16 18 8
	NOV.	15 9 5	15 12 41
	DEC.	14 21 49	15 6 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1583.		d. h. m.	d. h. m.
F. March. d. h. m. 11 8 52	JAN.	13 10 34	13 22 19
	FEB.	11 23 18	12 11 40
	MAR.	13 12 2	13 22 29
	APRIL	12 0 46	12 7 13
	MAY	11 13 30	11 14 35
	○	26 7 52	26 13 23
	JUNE	10 2 14	9 21 35
	JULY	9 14 58	9 5 18
	AUG.	8 8 42	7 14 47
	SEPT.	6 16 26	6 2 58
	OCT.	6 5 10	5 18 12
	NOV.	4 17 54	4 12 8
	○	19 12 16	19 10 44
	DEC.	4 6 38	4 7 24
1584. E.D. 10 14 41	JAN.	2 19 23	3 2 36
	FEB.	1 8 7	1 20 8
	MAR.	1 20 51	2 10 45
		31 9 35	31 22 25
	APRIL	29 22 19	30 7 29
	○	14 16 41	14 13 58
	MAY	29 11 3	29 14 49
	JUNE	27 23 47	27 21 26
	JULY	27 12 31	27 4 29
	AUG.	26 1 15	25 13 1
	SEPT.	24 13 59	24 0 1
	OCT.	24 2 43	23 14 2
	○	7 21 5	8 1 55
	NOV.	22 15 27	22 6 55
	DEC.	22 4 11	22 1 50
1585. C. 10 20 30	JAN.	20 16 55	20 21 20
	FEB.	19 5 39	19 15 42
	MAR.	20 18 28	21 7 37
	APRIL	19 7 7	19 20 30
	○	4 1 29	3 18 36
	MAY	18 19 51	19 6 32
	JUNE	17 8 35	17 14 33
	JULY	16 21 19	16 21 33
	AUG.	15 10 3	15 4 42
	SEPT.	13 22 47	13 12 59
	OCT.	13 11 31	12 23 13
	○	28 5 53	28 12 21
	NOV.	12 0 15	11 11 59
	DEC.	11 12 59	11 3 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1586.		d. h. m.	d. h. m.
B. March. d. h. m. 11 2 19	JAN.	10 1 44	9 20 51
	FEB.	8 14 28	8 15 24
	MAR.	10 8 12	10 9 39
	APRIL	8 15 56	9 2 17
	MAY	8 4 40	8 16 2
	JUNE	6 17 24	7 4 2
	JULY	6 6 8	6 13 26
	AUG.	4 18 52	4 21 31
	SEPT.	3 7 36	3 5 32
	OCT.	2 20 20	2 14 11
	NOV.	1 9 4	1 0 11
		30 21 48	30 11 58
	DEC.	30 10 32	30 1 38
1587. A. 11 8 8	JAN.	28 23 16	28 17 1
	FEB.	27 12 0	27 9 36
	○	14 6 22	14 14 23
	MAR.	29 0 44	29 2 40
	APRIL	27 13 28	27 19 14
	MAY	27 2 12	27 10 25
	JUNE	25 14 56	25 23 40
	JULY	25 3 40	25 11 2
	AUG.	23 16 24	23 21 3
	○	7 10 46	6 22 46
	SEPT.	22 5 8	22 6 28
	OCT.	21 17 52	21 16 5
	NOV.	20 6 36	20 2 19
	DEC.	19 19 20	19 13 27
1588. G.F. 10 13 57	JAN.	18 8 5	18 1 34
	FEB.	16 20 49	16 14 39
	○	2 15 11	3 4 32
	MAR.	17 9 33	17 4 45
	APRIL	15 22 17	15 19 46
	MAY	15 11 1	15 11 19
	JUNE	13 23 45	14 2 49
	JULY	13 12 29	13 17 34
	AUG.	12 1 13	12 7 10
	○	26 19 35	26 6 10
	SEPT.	10 13 57	10 19 33
	OCT.	10 2 41	10 7 4
	NOV.	8 15 25	8 18 7
	DEC.	8 4 9	8 5 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1589.		d. h. m.	d. h. m.
E. March. d. h. m. 10 19 45	JAN.	6 16 54	6 15 51
	FEB.	5 5 38	5 2 42
	MAR.	6 18 22	6 13 41
	APRIL	5 7 6	5 1 14
	MAY	4 19 50	4 13 48
	JUNE	3 8 34	3 8 37
	JULY	2 21 18	2 18 37
	AUG. ○	1 10 2	1 10 14
		16 4 24	15 20 20
		30 22 46	31 1 49
	SEPT.	29 11 30	29 16 46
	OCT.	29 0 14	29 6 44
	NOV.	27 12 58	27 19 41
	DEC.	27 1 42	27 7 32
1590. D. 11 1 34	JAN.	25 14 27	25 18 24
	FEB.	24 8 11	24 4 22
	MAR.	25 15 55	25 13 43
	APRIL	24 4 39	23 23 6
	MAY	23 17 23	23 9 17
	JUNE	22 6 7	21 21 3
	○	7 0 29	7 5 54
	JULY	21 18 51	21 10 51
	AUG.	20 7 35	20 2 31
	SEPT.	18 20 19	18 19 25
	OCT.	18 9 8	18 12 35
	NOV.	16 21 47	17 5 4
	DEC.	16 10 31	16 20 6
	○	31 4 58	30 20 20
1591. C. 11 7 23	JAN.	14 23 15	15 9 16
	FEB.	13 11 59	13 20 29
	MAR.	15 0 48	15 6 0
	APRIL	13 13 27	13 14 15
	MAY	13 2 11	12 22 4
	JUNE	11 14 55	11 6 23
	○	26 9 17	26 18 34
	JULY	11 3 39	10 16 15
	AUG.	9 16 23	9 4 30
	SEPT.	8 5 7	7 19 27
	OCT.	7 17 51	7 12 48
	NOV.	6 6 35	6 7 19
	DEC.	5 19 19	6 1 47
	○	20 13 41	20 5 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1592.		d. h. m.	d. h. m.
B.A. March. d. h. m. 10 13 12	JAN.	4 8 4	4 18 51
	FEB.	2 20 48	3 9 31
	MAR.	3 9 32	3 21 30
	APRIL	1 22 16	2 7 4
	MAY	1 11 0	1 14 53
		30 23 44	30 21 48
	○	14 18 6	15 0 4
	JUNE	29 12 28	29 4 57
	JULY	29 1 12	28 13 24
	AUG.	27 13 56	27 0 12
	SEPT.	26 2 40	25 13 58
	OCT.	25 15 24	25 6 42
	NOV.	24 4 8	24 1 35
	○	8 22 30	8 20 35
	DEC.	23 16 52	23 21 6
1593. G. 10 19 1	JAN.	22 5 36	22 15 37
	FEB.	20 18 20	21 7 45
	MAR.	22 7 4	22 20 51
	APRIL	20 19 48	21 7 2
	MAY	20 8 32	20 15 3
	JUNE	18 21 16	18 21 52
	JULY	18 10 0	18 4 34
	AUG.	16 22 44	16 12 19
	SEPT.	15 11 28	14 22 4
	OCT.	15 0 12	14 10 36
	NOV.	13 12 56	13 2 9
	DEC.	13 1 40	12 20 12
1594. F. 11 0 50	JAN.	11 14 25	11 15 35
	FEB.	10 3 9	10 10 36
	MAR.	11 15 53	12 3 47
	APRIL	10 4 37	10 18 8
	○	24 22 59	24 16 33
	MAY	9 17 21	10 5 29
	JUNE	8 6 5	8 14 23
	JULY	7 18 49	7 21 49
	AUG.	6 7 33	6 4 53
	SEPT.	4 20 17	4 12 37
	OCT.	4 9 1	3 21 56
	○	19 3 23	19 8 44
	NOV.	2 21 45	2 9 29
	DEC.	2 10 29	1 23 34
		31 23 13	31 16 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1595.		*d. h. m.*	*d. h. m.*
E.	JAN.	30 11 58	30 9 58
March.	FEB.	...	...
d. h. m.	MAR.	1 0 42	1 4 22
11 6 38		30 13 26	30 22 9
	○	14 7 48	14 6 2
	APRIL	29 2 10	29 13 12
	MAY	28 14 54	29 2 8
	JUNE	27 3 38	27 12 30
	JULY	26 16 22	26 21 19
	AUG.	25 5 6	25 5 26
	SEPT.	23 17 50	23 13 50
	○	8 12 12	8 10 24
	OCT.	23 6 31	22 23 15
	NOV.	21 19 18	21 10 12
	DEC.	21 8 2	20 22 54
1596.	JAN.	19 20 46	19 13 18
D.C.	FEB.	18 9 30	18 5 6
10 12 27	MAR.	18 22 14	18 21 47
	○	2 16 36	2 22 43
	APRIL	17 10 58	17 14 29
	MAY	16 23 42	17 6 21
	JUNE	15 12 26	15 20 33
	JULY	15 1 10	15 9 39
	AUG.	13 13 54	13 19 52
	SEPT.	12 2 38	12 5 46
	○	26 21 0	26 10 23
	OCT.	11 15 22	11 15 26
	NOV.	10 4 6	10 1 29
	DEC.	9 16 50	9 12 14
1597.	JAN.	8 5 35	7 23 48
B.	FEB.	6 18 19	6 12 10
10 18 16	MAR.	8 7 3	8 1 29
	APRIL	6 19 47	6 15 46
	MAY	6 8 31	6 6 51
	JUNE	4 21 15	4 22 21
	JULY	4 9 59	4 13 35
	AUG.	2 22 43	3 3 58
	SEPT.	1 11 27	1 17 12
	OCT.	1 0 11	1 5 25
		30 12 55	30 16 54
	NOV.	29 1 39	29 4 2
	DEC.	28 14 23	28 14 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1598.		*d. h. m.*	*d. h. m.*
A.	JAN.	27 3 8	27 1 39
	○	10 21 30	11 7 42
March.	FEB.	25 15 52	25 12 19
d. h. m.	MAR.	27 4 36	26 23 14
11 0 5	APRIL	25 17 20	25 10 58
	MAY	25 6 4	24 23 54
	JUNE	23 18 48	23 14 14
	JULY	23 7 32	23 5 39
	○	7 1 54	6 20 23
	AUG.	21 20 16	21 21 31
	SEPT.	20 9 0	20 13 7
	OCT.	19 21 44	20 3 55
	NOV.	18 10 28	18 17 38
	DEC.	17 23 12	18 6 10
1599.	JAN.	16 11 56	16 17 32
G.	○	31 6 18	31 7 27
	FEB.	15 0 40	15 3 48
11 5 51	MAR.	16 13 24	16 13 10
	APRIL	15 2 8	14 22 12
	MAY	14 14 52	14 7 38
	JUNE	13 3 36	12 18 21
	JULY	12 16 20	12 7 2
	○	27 10 42	27 13 24
	AUG.	11 5 4	10 21 50
	SEPT.	9 17 48	9 14 23
	OCT.	9 6 32	9 7 47
	NOV.	7 19 16	8 0 58
	DEC.	7 8 0	7 17 3
1600.	JAN.	5 20 45	6 7 16
F.E.	○	20 15 7	20 8 37
	FEB.	4 9 29	4 19 27
10 11 43	MAR.	4 22 13	5 5 36
	APRIL	3 10 57	3 14 14
	MAY	2 23 41	2 21 59
	JUNE	1 12 25	1 5 45
	JULY	1 1 9	30 14 37
		30 13 53	30 1 33
	AUG.	29 2 37	28 15 11
	SEPT.	27 15 21	27 7 31
	OCT.	27 4 5	27 1 46
	NOV.	25 16 49	25 20 40
	DEC.	25 5 33	25 14 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1601.		d. h. m.	d. h. m.
D. March. d. h. m. 10 17 31	JAN.	28 18 18	24 6 42
	FEB.	22 7 2	22 19 58
	MAR.	23 19 46	24 6 34
	APRIL	22 8 30	22 15 1
	MAY	21 21 14	21 22 8
	○	5 15 36	5 19 53
	JUNE	20 9 58	20 4 58
	JULY	19 22 42	19 12 37
	AUG.	18 11 26	17 22 9
	SEPT.	17 0 10	16 10 28
	OCT.	16 12 54	16 1 51
	NOV.	15 1 38	14 19 54
	○	29 20 0	29 19 41
	DEC.	14 14 22	14 15 22
1602. C. 10 23 20	JAN.	13 3 6	13 10 36
	FEB.	11 15 50	12 4 2
	MAR.	13 4 34	13 18 36
	APRIL	11 17 18	12 6 6
	MAY	11 6 2	11 14 59
	○	26 0 24	25 20 35
	JUNE	9 18 46	9 22 14
	JULY	9 7 30	9 4 53
	AUG.	7 20 14	7 12 3
	SEPT.	6 8 58	5 20 47
	OCT.	5 21 42	5 7 58
	NOV.	4 10 26	3 22 5
	○	19 4 48	19 10 35
	DEC.	3 23 10	3 15 0
1603. B. 11 5 9	JAN.	2 11 55	2 9 51
	FEB.	1 0 39	1 5 9
	MAR.	2 13 23	2 23 17
	APRIL	1 2 7	1 15 1
		30 14 51	1 3 47
	○	15 9 13	15 1 41
	MAY	30 3 35	30 13 49
	JUNE	28 16 19	28 21 53
	JULY	28 5 3	28 5 6
	AUG.	26 17 47	26 12 31
	SEPT.	25 6 31	24 21 6
	OCT.	24 19 15	24 7 36
	○	8 13 37	8 20 32
	NOV.	23 7 59	22 20 27
	DEC.	22 20 48	22 11 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1604.		d. h. m.	d. h. m.
A.G. March. d. h. m. 10 10 58	JAN.	21 9 28	21 4 53
	FEB.	19 22 12	19 23 2
	MAR.	20 10 56	20 16 54
	APRIL	18 23 40	19 9 16
	MAY	18 12 24	18 23 23
	JUNE	17 1 8	17 11 2
	JULY	16 13 52	16 20 41
	AUG.	15 2 36	15 5 13
	SEPT.	13 15 20	13 13 35
	OCT.	13 4 4	12 22 37
	NOV.	11 16 48	11 8 55
	DEC.	11 5 32	10 20 45
1605. F. 10 16 47	JAN.	9 18 16	9 10 10
	FEB.	8 7 0	8 1 5
	MAR.	9 19 44	9 17 8
	○	24 14 6	24 22 31
	APRIL	8 8 28	8 9 40
	MAY	7 21 12	8 1 54
	JUNE	6 9 56	6 17 0
	JULY	5 22 40	6 6 28
	AUG.	4 11 24	4 18 13
	SEPT.	3 0 8	3 4 44
	○	17 18 30	17 6 7
	OCT.	2 12 52	2 14 42
	NOV.	1 1 36	1 0 45
		30 14 20	30 11 15
	DEC.	30 3 4	29 22 23
1606. E. 10 22 36	JAN.	28 15 49	28 10 11
	FEB.	27 4 38	26 22 44
	○	13 22 55	14 12 32
	MAR.	28 17 17	28 12 13
	APRIL	27 6 1	27 2 40
	MAY	26 18 45	26 17 51
	JUNE	25 7 29	25 9 15
	JULY	24 20 13	25 0 15
	AUG.	23 8 57	23 14 19
	○	7 3 19	6 13 48
	SEPT.	21 21 41	22 3 18
	OCT.	21 10 25	21 15 25
	NOV.	19 23 9	20 2 54
	DEC.	19 11 58	19 14 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1607.		d. h. m.	d. h. m.
D. March. d. h. m. 11 4 24	JAN.	18 0 37	18 0 44
	FEB.	16 18 21	16 11 18
	MAR.	18 2 5	17 21 42
	APRIL	16 14 49	16 8 39
	MAY	16 3 33	15 20 42
	JUNE	14 16 17	14 10 11
	JULY	14 5 1	14 1 4
	AUG.	12 17 45	12 16 55
	○	27 12 7	27 4 7
	SEPT.	11 6 29	11 8 58
	OCT.	10 19 13	11 0 31
	NOV.	9 7 57	9 15 6
	DEC.	8 20 41	9 4 23
1608. C.B. 10 10 18	JAN.	7 9 23	7 16 27
	FEB.	5 22 10	6 8 9
	MAR.	6 10 54	6 12 45
	APRIL	4 23 38	4 21 38
	MAY	4 12 22	4 6 31
	JUNE	3 1 6	2 16 18
	JULY	2 13 50	2 3 48
	○	17 8 12	17 13 16
			31 17 32
	AUG.	1 2 34	
		30 15 18	30 9 23
	SEPT.	29 4 2	29 2 41
	OCT.	28 16 46	28 20 22
	NOV.	27 5 30	27 13 20
	DEC.	26 18 14	27 4 41
1609. A. 10 16 2	○	10 12 36	10 4 40
	JAN.	25 6 59	25 17 56
	FEB.	23 19 48	24 4 59
	MAR.	25 8 27	25 14 9
	APRIL	23 21 11	23 22 3
	MAY	23 9 55	23 5 30
	JUNE	21 22 39	21 13 35
	○	6 17 1	7 1 33
	JULY	21 11 23	20 23 18
	AUG.	20 0 7	19 11 34
	SEPT.	18 12 51	18 2 40
	OCT.	18 1 35	17 20 15
	NOV.	16 14 19	16 15 10
	DEC.	16 3 3	16 9 57
	○	30 21 25	30 14 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1610.		d. h. m.	d. h. m.
G. March. d. h. m. 10 21 51	JAN.	14 15 47	15 3 9
	FEB.	13 4 31	13 17 48
	MAR.	14 17 15	15 5 37
	APRIL	13 5 59	13 14 55
	MAY	12 18 43	12 22 28
	JUNE	11 7 27	11 5 14
	○	26 1 49	26 6 34
	JULY	10 20 11	10 12 18
	AUG.	9 8 55	8 20 47
	SEPT.	7 21 39	7 7 41
	OCT.	7 10 23	6 21 37
	NOV.	5 23 7	5 14 31
	DEC.	5 11 51	5 9 31
	○	20 6 18	20 5 33
1611. F. 11 3 40	JAN.	4 0 36	4 5 8
	FEB.	2 13 20	2 23 36
	MAR.	4 2 4	4 15 37
	APRIL	2 14 48	3 4 33
	MAY	2 3 32	2 14 35
		31 16 16	31 22 29
	JUNE	30 5 0	30 5 17
	JULY	29 17 44	29 12 6
	AUG.	28 6 28	27 20 3
	SEPT.	26 19 12	26 6 1
	OCT.	26 7 56	25 18 44
	NOV.	24 20 40	24 10 19
	DEC.	24 9 24	24 4 17
1612. E.D. 10 9 29	JAN.	22 22 9	22 23 23
	FEB.	21 10 53	21 18 14
	MAR.	21 23 37	22 11 10
	APRIL	20 12 21	21 1 23
	○	5 6 43	4 23 51
	MAY	20 1 5	20 12 41
	JUNE	18 13 49	18 21 40
	JULY	18 2 33	18 5 15
	AUG.	16 15 17	16 12 36
	SEPT.	15 4 1	14 20 40
	OCT.	14 16 45	14 6 17
	○	29 11 7	29 16 40
	NOV.	13 5 29	12 18 0
	DEC.	12 18 13	12 8 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1613.		d. h. m.	d. h. m.
C. March. d. h. m. 10 15 17	JAN. .	11 6 57	11 0 11
	FEB. .	9 19 41	9 17 46
	MAR. .	11 8 25	11 11 43
	APRIL	9 21 9	10 4 48
	○	24 15 31	24 13 44
	MAY .	9 9 53	9 20 1
	JUNE .	7 22 37	8 8 55
	JULY .	7 11 21	7 19 37
	AUG. .	6 0 5	6 4 46
	SEPT. .	4 12 49	4 13 19
	OCT. .	4 1 33	3 22 9
	○	18 19 55	18 17 58
	NOV. .	2 14 17	2 7 55
	DEC. .	2 3 1	1 19 1
		31 15 45	31 7 34
1614. B. 10 21 6	JAN. .	30 4 30	29 21 35
	FEB. .	28 17 14	28 12 51
	MAR. .	30 5 58	30 4 57
	○	14 0 20	14 6 38
	APRIL	28 18 42	28 21 14
	MAY .	28 7 26	28 12 53
	JUNE .	26 20 10	27 3 17
	JULY .	26 8 54	26 16 3
	AUG. .	24 21 38	25 3 21
	SEPT. .	23 10 22	23 13 47
	○	8 4 44	7 17 54
	OCT. .	22 23 6	22 23 58
	NOV. .	21 11 50	21 10 22
	DEC. .	21 0 34	20 21 13
1615. A. 11 2 55	JAN. .	19 13 19	19 8 33
	FEB. .	18 2 8	17 20 29
	MAR. .	19 14 47	19 9 12
	APRIL	18 3 31	17 22 52
	MAY .	17 16 15	17 13 30
	JUNE .	16 4 59	16 4 47
	JULY .	15 17 43	15 20 8
	AUG. .	14 6 27	14 10 53
	SEPT. .	12 19 11	13 0 42
	OCT. .	12 7 55	12 13 32
	NOV. .	10 20 39	11 1 33
	DEC. .	10 9 23	10 12 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1616. G.F.		d. h. m.	d. h. m.
March. d. h. m. 10 8 44	JAN. .	8 22 7	8 23 52
	FEB. .	7 10 51	7 10 20
	○	22 5 13	22 15 24
	MAR. .	7 23 35	7 20 33
	APRIL	6 12 19	6 6 55
	MAY .	6 1 3	5 18 4
	JUNE .	4 13 47	4 6 35
	JULY .	4 2 31	3 20 45
	AUG. .	2 15 15	2 12 14
	○	17 9 37	17 4 6
	SEPT. .	1 3 59	1 4 27
		30 16 43	30 20 37
	OCT. .	30 5 27	30 12 2
	NOV. .	28 18 11	29 2 14
	DEC. .	28 6 55	28 15 0
1617. E. 10 14 33	JAN. .	26 19 40	27 2 20
	○	10 14 2	10 15 10
	FEB. .	25 8 24	25 12 19
	MAR. .	26 21 8	26 21 17
	APRIL	25 9 52	25 5 50
	MAY .	24 22 36	24 14 50
	JUNE .	23 11 20	23 1 15
	JULY .	23 0 4	22 13 47
	○	6 18 26	6 20 59
	AUG. .	21 12 48	21 4 39
	SEPT. .	20 1 32	19 21 30
	OCT. .	19 14 16	19 15 22
	NOV. .	18 3 0	18 9 4
	DEC. .	17 15 44	18 1 29
1618. D. 10 20 22	JAN. .	16 4 29	16 15 53
	○	30 22 51	30 16 44
	FEB. .	14 17 13	15 3 57
	MAR. .	16 5 57	16 13 53
	APRIL	14 18 41	14 22 10
	MAY .	14 7 25	14 5 33
	JUNE .	12 20 9	12 13 3
	JULY .	12 8 53	11 21 44
	AUG. .	10 21 37	10 8 39
	SEPT. .	9 10 21	8 22 24
	OCT. .	8 23 5	8 14 56
	NOV. .	7 11 49	7 9 30
	DEC. .	7 0 33	7 4 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1619. C. March. d. h. m. 11 2 10		d. h. m.	d. h. m.
	JAN.	5 13 18	5 22 57
	FEB.	4 2 2	4 14 58
	MAR.	5 14 45	6 4 6
	APRIL	4 8 29	4 14 31
	MAY	3 16 18	3 22 41
	JUNE	2 4 57	2 5 38
	○	16 23 19	17 2 22
	JULY	1 17 41	1 12 21
		31 6 25	30 20 1
	AUG.	29 19 9	29 5 40
	SEPT.	28 7 53	27 18 6
	OCT.	27 20 37	27 9 39
	NOV.	26 9 21	26 3 49
	○	11 3 43	11 4 37
	DEC.	25 22 5	25 23 21
1620. B.A. 10 7 59	JAN.	24 10 50	24 18 34
	FEB.	22 23 34	23 11 52
	MAR.	23 12 18	24 2 17
	APRIL	22 1 2	22 13 38
	MAY	21 13 46	21 22 23
	○	5 8 8	5 3 10
	JUNE	20 2 30	20 5 39
	JULY	19 15 14	19 12 23
	AUG.	18 3 58	17 19 45
	SEPT.	16 16 42	16 4 43
	OCT.	16 5 26	15 16 5
	NOV.	14 18 10	14 6 18
	○	29 12 32	29 19 19
	DEC.	14 6 54	13 23 10
1621. G. 10 13 48	JAN.	12 19 38	12 17 48
	FEB.	11 8 22	11 12 49
	MAR.	12 21 6	13 6 41
	APRIL	11 9 50	11 22 13
	MAY	10 22 34	11 10 55
	○	25 16 56	25 8 42
	JUNE	9 11 18	9 21 0
	JULY	9 0 2	9 5 14
	AUG.	7 12 46	7 12 43
	SEPT.	6 1 30	5 20 28
	OCT.	5 14 14	5 5 23
	NOV.	4 2 58	3 16 7
	○	18 21 20	19 4 46
	DEC.	3 15 42	3 5 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1622. F. March. d. h. m. 10 19 37		d. h. m.	d. h. m.
	JAN.	2 4 27	1 20 3
		31 17 11	31 12 50
	FEB.	...	...
	MAR.	2 5 55	2 6 30
		31 18 39	31 23 57
	APRIL	30 7 23	30 16 5
	MAY	29 20 7	30 6 10
	JUNE	28 8 51	28 18 0
	JULY	27 21 35	28 3 59
	AUG.	26 10 19	26 12 56
	SEPT.	24 23 3	24 21 45
	OCT.	24 11 47	24 7 12
	NOV.	23 0 31	22 17 43
	DEC.	22 13 15	22 5 31
1623. E. 11 1 26	JAN.	21 1 59	20 18 39
	FEB.	19 14 43	19 9 2
	MAR.	21 3 28	21 0 31
	○	4 21 50	5 6 30
	APRIL	19 16 12	19 16 32
	MAY	19 4 56	19 8 23
	JUNE	17 17 40	17 23 34
	JULY	17 6 24	17 13 16
	AUG.	15 19 8	16 1 30
	SEPT.	14 7 52	14 12 35
	○	29 2 14	28 13 36
	OCT.	13 20 36	13 23 4
	NOV.	12 9 20	12 9 31
	DEC.	11 22 4	11 20 12
1624. D.C. 10 7 15	JAN.	10 10 48	10 7 14
	FEB.	8 23 32	8 18 41
	MAR.	9 12 16	9 6 41
	○	24 6 38	24 20 22
	APRIL	8 1 0	7 19 33
	MAY	7 13 44	7 9 27
	JUNE	6 2 28	6 0 20
	JULY	5 15 12	5 15 43
	AUG.	4 3 56	4 6 58
	SEPT.	2 16 40	2 21 33
	○	17 11 2	16 21 36
	OCT.	2 5 24	2 11 10
		31 18 8	31 23 50
	NOV.	30 6 52	30 11 43
	DEC.	29 19 36	29 22 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1625. B.	JAN.	28 8 21	28 9 34
	FEB.	26 21 5	26 19 40
March. d. h. m. 10 13 3	○	13 15 27	14 3 25
	MAR.	28 9 49	28 5 37
	APRIL	26 22 33	26 16 0
	MAY	26 11 17	26 8 34
	JUNE	25 0 1	24 16 46
	JULY	24 12 45	24 7 38
	AUG.	23 1 29	22 23 43
	○	6 19 51	6 12 4
	SEPT.	21 14 13	21 16 15
	OCT.	21 2 57	21 8 24
	NOV.	19 15 41	19 23 31
	DEC.	19 4 25	19 13 11
1626. A. 10 18 52	JAN.	17 17 10	18 1 16
	FEB.	16 5 54	16 11 47
	MAR.	17 18 38	17 21 1
	APRIL	16 7 22	16 5 28
	MAY	15 20 6	15 13 54
	JUNE	14 8 50	13 23 20
	JULY	13 21 31	13 10 38
	AUG.	12 10 18	12 0 21
	SEPT.	10 23 2	10 16 25
	OCT.	10 11 46	10 10 6
	NOV.	9 0 30	9 4 16
	DEC.	8 13 14	8 21 39
1627. G. 11 0 41	JAN.	7 1 58	7 13 13
	○	21 20 20	21 12 59
	FEB.	5 14 42	6 2 27
	MAR.	7 3 26	7 13 19
	APRIL	5 16 10	5 22 9
	MAY	5 4 54	5 5 44
	JUNE	3 17 38	3 12 54
	JULY	3 6 22	2 20 46
	○	18 0 44	18 8 31
	AUG.	1 19 6	1 6 27
		31 7 50	30 18 46
	SEPT.	29 20 34	29 10 2
	OCT.	29 9 18	29 3 51
	NOV.	27 22 2	27 23 4
	DEC.	27 10 46	27 18 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1628. F.E.	○	11 5 9	10 23 26
	JAN.	25 23 31	26 11 22
March. d. h. m. 10 6 30	FEB.	24 12 15	25 1 57
	MAR.	25 0 59	25 13 36
	APRIL	23 13 43	23 22 40
	MAY	23 2 27	23 6 1
	JUNE	21 15 11	21 12 40
	○	6 9 33	6 13 7
	JULY	21 3 55	20 19 44
	AUG.	19 16 39	19 4 19
	SEPT.	18 5 23	17 15 21
	OCT.	17 18 7	17 5 26
	NOV.	16 6 51	15 22 27
	DEC.	15 19 35	15 17 30
	○	30 13 57	30 14 31
1629. D. 10 12 19	JAN.	14 8 20	14 13 4
	FEB.	12 21 4	13 7 26
	MAR.	14 9 48	14 23 18
	APRIL	12 22 32	13 12 5
	MAY	12 11 16	12 22 1
	JUNE	11 0 0	11 5 53
	JULY	10 12 44	10 12 45
	AUG.	9 1 28	8 19 46
	SEPT.	7 14 12	7 3 56
	OCT.	7 2 56	6 14 8
	NOV.	5 15 40	5 2 58
	DEC.	5 4 24	4 18 34
1630. C. 10 18 8	JAN.	3 17 8	3 12 22
	FEB.	2 5 52	2 7 14
	MAR.	3 18 36	4 1 41
	APRIL	2 7 20	2 18 23
	MAY ○	1 20 4	2 8 29
		16 14 26	16 7 4
		31 8 48	31 19 48
	JUNE	29 21 32	30 4 55
	JULY	29 10 16	29 12 46
	AUG.	27 23 0	27 20 26
	SEPT.	26 11 44	26 4 52
	OCT.	26 0 28	25 14 46
	○	9 18 50	10 0 42
	NOV.	24 13 12	24 2 36
	DEC.	24 1 56	23 16 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1631.		d. h. m.	d. h. m.
B. March. d. h. m. 10 23 56	JAN.	22 14 41	22 8 21
	FEB.	21 3 25	21 1 27
	MAR.	22 16 9	22 18 54
	APRIL	21 4 58	21 11 39
	○	5 28 15	5 21 22
	MAY	20 17 37	21 2 46
	JUNE	19 6 21	19 15 46
	JULY	18 19 5	19 2 45
	AUG.	17 7 49	17 12 20
	SEPT.	15 20 33	15 21 21
	OCT.	15 9 17	15 6 37
	○	30 3 39	30 1 32
	NOV.	13 22 1	13 16 41
	DEC.	13 10 45	13 3 53
1632. A.G. 10 5 45	JAN.	11 23 29	11 16 15
	FEB.	10 12 13	10 5 47
	MAR.	11 0 57	10 20 27
	APRIL	9 13 41	9 11 58
	○	24 8 3	24 14 23
	MAY	9 2 25	9 3 52
	JUNE	7 15 9	7 19 21
	JULY	7 3 53	7 9 56
	AUG.	5 16 37	5 23 4
	SEPT.	4 5 21	4 10 56
	OCT.	3 18 5	3 21 56
	○	18 12 27	18 1 33
	NOV.	2 6 49	2 8 34
	DEC.	1 19 33	1 19 16
		31 8 17	31 6 9
1633. F. 10 11 24	JAN.	29 21 2	29 17 14
	FEB.	28 9 46	28 4 41
	MAR.	29 22 30	29 16 46
	APRIL	28 11 14	28 5 52
	MAY	27 23 58	27 20 5
	JUNE	26 12 42	26 11 13
	JULY	26 1 26	26 2 42
	AUG.	24 14 10	24 17 54
	SEPT.	23 2 54	23 8 18
	OCT.	22 15 33	22 21 43
	NOV.	21 4 22	21 10 13
	DEC.	20 17 6	20 21 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1634.		d. h. m.	d. h. m.
E. March. d. h. m. 10 17 23	JAN.	19 5 51	19 8 47
	FEB.	17 18 35	17 18 57
	○	4 12 57	4 22 57
	MAR.	19 7 19	19 4 40
	APRIL	17 20 8	17 14 29
	MAY	17 8 47	17 1 8
	JUNE	15 21 31	15 13 18
	JULY	15 10 15	15 8 17
	AUG.	13 22 59	13 18 55
	○	28 17 21	28 11 57
	SEPT.	12 11 43	12 11 52
	OCT.	12 0 27	12 4 15
	NOV.	10 13 11	10 20 14
	DEC.	10 1 55	10 10 52
1635. D. 10 23 12	JAN.	8 14 39	8 23 49
	FEB.	7 3 23	7 11 2
	○	21 21 45	21 22 44
	MAR.	8 16 7	8 20 43
	APRIL	7 4 51	7 5 16
	MAY	6 17 35	6 13 21
	JUNE	5 6 19	4 22 0
	JULY	4 19 3	4 8 9
	AUG.	3 7 47	2 20 36
	○	18 2 9	18 4 37
	SEPT.	1 20 31	1 11 36
	OCT.	1 9 15	1 4 45
	○	30 21 59	30 23 4
	NOV.	29 10 43	29 17 11
	DEC.	28 23 27	29 9 54
1636. C.B. 10 5 1	JAN.	27 12 12	28 0 24
	○	11 6 34	11 0 45
	FEB.	26 0 56	26 12 20
	MAR.	26 13 40	26 21 59
	APRIL	25 2 24	25 5 55
	MAY	24 15 8	24 13 2
	JUNE	23 3 52	22 20 20
	JULY	22 16 36	22 4 57
	○	6 10 58	6 17 42
	AUG.	21 5 20	20 15 52
	SEPT.	19 18 4	19 5 43
	OCT.	19 6 48	18 22 30
	NOV.	17 19 32	17 17 18
	DEC.	17 8 16	17 12 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)	Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1637.		d. h. m.	d. h. m.	A.D. 1640.		d. h. m.	d. h. m.
A. March. d. h. m. 10 10 49	JAN. .	15 21 1	16 7 5	E.D. March. d. h. m. 10 4 16	JAN. .	13 12 11	13 4 24
	FEB. .	14 9 45	14 23 5		FEB. .	12 0 55	11 20 43
	MAR. .	15 22 29	16 12 6		MAR. .	12 13 39	12 13 52
	APRIL	14 11 13	14 22 16		APRIL	11 2 23	11 6 54
	MAY .	13 23 57	14 6 15		MAY .	10 15 7	10 22 49
	JUNE .	12 12 41	12 13 5		JUNE .	9 3 51	9 12 55
	JULY .	12 1 25	11 19 49		JULY .	8 16 35	9 0 59
	AUG. .	10 14 9	10 3 32		AUG. .	7 5 19	7 11 22
	SEPT. .	9 2 53	8 13 20		SEPT. .	5 18 3	5 20 47
	OCT. .	8 15 37	8 1 55		OCT. .	5 6 47	5 6 4
	NOV. .	7 4 21	6 17 36		NOV. .	3 19 31	3 15 53
	DEC. .	6 17 5	6 11 48		DEC. .	3 8 15	3 2 36
	○	21 11 27	21 13 36				
1638. G. 10 16 38	JAN. .	5 5 49	5 7 18	1641. C. 10 10 5	JAN. .	1 20 59	1 14 18
						31 9 43	31 3 5
	FEB. .	3 18 33	4 2 23		FEB. .	...	...
	MAR. .	5 7 17	5 19 32		MAR. .	1 22 27	1 16 55
	APRIL	3 20 1	4 9 48			31 11 11	31 7 45
	MAY .	3 8 45	3 21 2		○	15 5 33	15 14 21
	JUNE .	1 21 29	2 5 48		APRIL	29 23 55	29 23 18
	○	16 15 51	16 9 42		MAY .	29 12 39	29 14 58
	JULY .	1 10 13	1 13 4		JUNE .	23 1 23	28 6 5
		30 22 57	30 19 58		JULY .	27 14 7	27 20 6
	AUG. .	29 11 41	29 3 34		AUG. .	26 2 51	26 8 50
	SEPT. .	28 0 25	27 12 47		SEPT. .	24 15 35	24 20 29
	OCT. .	27 13 9	27 0 20		○	9 9 57	8 21 16
	NOV. .	26 1 53	25 14 36		OCT. .	24 4 19	24 7 31
	○	10 20 15	11 4 4		NOV. .	22 17 8	22 18 21
	DEC. .	25 14 37	25 7 19		DEC. .	22 5 47	22 5 10
1639. F. 10 22 27	JAN. .	24 3 22	24 1 41	1642. B. 10 15 54	JAN. .	20 18 32	20 16 5
	FEB. .	22 16 6	22 20 21		FEB. .	19 7 16	19 3 7
	MAR. .	24 4 50	24 13 57		MAR. .	20 20 0	20 14 33
	APRIL	22 17 34	23 5 19		○	4 14 22	5 4 4
	MAY .	22 6 18	22 17 59		APRIL	19 8 44	19 2 47
	○	6 0 40	5 15 45		MAY .	18 21 28	18 16 13
	JUNE .	20 19 2	21 4 10		JUNE .	17 10 12	17 6 49
	JULY .	20 7 46	20 12 30		JULY .	16 22 56	16 22 18
	AUG. .	18 20 30	18 20 27		AUG. .	15 11 40	15 13 47
	SEPT. .	17 9 14	17 4 35		SEPT. .	14 0 24	14 4 54
	OCT. .	16 21 58	16 13 50		○	28 18 46	28 5 34
	NOV. .	15 10 42	15 0 45		OCT. .	13 13 8	13 19 9
	○	30 5 4	30 13 8		NOV. .	12 1 52	12 8 21
	DEC. .	14 23 26	14 13 37		DEC. .	11 14 36	11 20 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1643.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 10 21 42	JAN. .	10 3 21	10 7 54
	FEB. .	8 16 5	8 18 17
	MAR. .	10 4 49	10 8 59
	○	24 23 11	25 10 48
	APRIL	8 17 33	8 13 24
	MAY .	8 6 17	7 23 18
	JUNE .	6 19 1	6 10 25
	JULY .	6 7 45	5 23 23
	AUG. .	4 20 29	4 14 15
	SEPT. .	3 9 13	3 6 33
	○	18 3 35	17 20 8
	OCT. .	2 21 57	2 23 41
	NOV. .	1 10 41	1 16 24
		30 23 25	1 7 59
	DEC. .	30 12 9	30 21 56
1644. G.F. 10 8 31	JAN. .	29 0 53	29 10 0
	FEB. .	27 13 37	27 20 17
	MAR. .	23 2 21	28 5 8
	APRIL	26 15 5	26 13 8
	MAY .	26 3 49	25 21 12
	JUNE .	24 16 33	24 6 22
	JULY .	24 5 17	23 17 32
	AUG. .	22 18 1	22 7 17
	SEPT. .	21 6 45	20 23 33
	OCT. .	20 19 29	20 17 38
	NOV. .	19 8 13	19 12 13
	DEC. .	18 20 57	19 5 57
1645. E. 10 9 20	JAN. .	17 9 42	17 21 42
	○	1 4 4	31 21 16
	FEB. .	15 22 26	16 10 52
	MAR. .	17 11 10	17 21 30
	APRIL	15 23 54	16 6 2
	MAY .	15 12 38	15 13 19
	JUNE .	14 1 22	13 20 17
	JULY .	13 14 6	13 4 4
	○	28 8 23	28 15 43
	AUG. .	12 2 50	11 13 43
	SEPT. .	10 15 34	10 2 7
	OCT. .	10 4 18	9 17 31
	NOV. .	8 17 2	8 11 37
	DEC. .	8 5 46	8 7 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1646.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 10 15 9	JAN. .	6 18 30	7 2 9
	○	21 12 52	21 8 10
	FEB. .	5 7 14	5 19 27
	MAR. .	6 19 58	7 9 55
	APRIL	5 8 42	5 21 22
	MAY .	4 21 26	5 6 16
	JUNE .	3 10 10	3 13 28
	JULY .	2 22 54	2 20 6
	○	17 17 16	17 19 39
	AUG. .	1 11 38	1 3 14
		31 0 22	30 11 57
	SEPT. .	29 13 6	28 23 10
	OCT. .	29 1 50	23 13 23
	NOV. .	27 14 31	27 6 28
	DEC. .	27 3 18	27 1 28
1647. C. 10 20 58	○	10 21 40	10 23 28
	JAN. .	25 16 3	25 20 54
	FEB. .	24 4 47	24 15 6
	MAR. .	25 17 31	26 6 48
	APRIL	24 6 15	24 19 57
	MAY .	23 18 59	24 5 20
	JUNE .	22 7 43	22 13 15
	JULY .	21 20 27	21 20 16
	AUG. .	20 9 11	20 3 31
	SEPT. .	18 21 55	18 11 57
	OCT. .	18 10 39	17 22 24
	NOV. .	16 23 23	16 11 21
	DEC. .	16 12 7	16 2 51
1648. B.A. 10 2 47	JAN. .	15 0 52	14 20 24
	FEB. .	13 13 36	13 14 54
	MAR. .	14 2 20	14 9 0
	APRIL	12 15 4	13 1 28
	MAY .	12 3 48	12 15 28
	○	26 22 10	26 14 16
	JUNE .	10 16 32	11 2 52
	JULY .	10 5 16	10 12 12
	AUG. .	8 18 0	8 20 23
	SEPT. .	7 6 44	7 4 25
	OCT. .	6 19 28	6 13 13
	NOV. .	5 8 12	4 23 24
	○	20 2 34	20 8 48
	DEC. .	4 20 56	4 11 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1649.			
G. March. d. h. m. 10 8 35	JAN. .	8 9 40	8 1 2
	FEB. .	1 22 24	1 16 25
	MAR. .	3 11 8	3 8 59
	APRIL	1 23 52	2 1 57
	MAY ○	1 12 36	1 18 23
		16 6 58	16 4 55
		31 1 20	31 9 25
	JUNE .	29 14 4	29 22 35
	JULY .	29 2 48	29 9 55
	AUG. .	27 15 32	27 19 58
	SEPT. .	26 4 16	26 5 29
	OCT. .	25 17 0	25 15 11
	○ NOV. .	9 11 22	9 9 15
		24 5 41	24 1 33
	DEC. .	23 18 28	23 12 45
1650. F. 10 14 24	JAN. .	22 7 13	22 0 52
	FEB. .	20 19 57	20 13 54
	MAR. .	22 8 41	22 3 58
	APRIL	20 21 25	20 18 56
	○ MAY .	5 15 47	5 22 4
		20 10 9	20 10 25
	JUNE .	18 22 53	19 1 52
	JULY .	18 11 37	18 16 35
	AUG. .	17 0 21	17 6 11
	SEPT. .	15 13 5	15 18 38
	OCT. .	15 1 49	15 6 12
	○ NOV. .	29 20 11	29 9 22
		13 14 33	13 17 19
	DEC. .	13 3 17	13 4 15
1651. E. 10 20 13	JAN. .	11 16 2	11 15 5
	FEB. .	10 4 46	10 1 51
	MAR. .	11 17 30	11 12 46
	APRIL	10 6 14	10 0 16
	MAY .	9 18 58	9 12 48
	JUNE .	8 7 42	8 2 39
	JULY .	7 20 26	7 17 41
	AUG. .	6 9 10	6 9 22
	SEPT. .	4 21 54	5 1 1
	OCT. .	4 10 38	4 16 1
	NOV. .	2 23 22	3 6 3
	DEC.	2 12 6	2 18 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1652. D.C. March. d. h. m. 10 2 2	JAN. .	1 0 50	1 6 49
		30 13 31	30 17 35
	FEB. .	29 2 18	29 3 25
	○ MAR. .	14 20 40	15 6 21
		29 15 2	29 12 39
	APRIL	28 3 46	27 21 57
	MAY .	27 16 30	27 8 9
	JUNE .	26 5 14	25 20 0
	JULY .	25 17 58	25 9 54
	AUG. .	24 6 42	24 1 42
	○ SEPT. .	8 1 4	7 19 57
		22 19 26	22 18 45
	OCT. .	22 8 10	22 12 0
	NOV. .	20 20 54	21 4 29
	DEC. .	20 9 38	20 19 23
1653. B. 10 7 51	JAN. .	18 22 23	19 8 32
	FEB. .	17 11 7	17 19 37
	○ MAR. .	4 5 29	4 6 12
		18 23 51	19 4 57
	APRIL	17 12 35	17 13 5
	MAY .	17 1 19	16 20 50
	JUNE .	15 14 3	15 5 10
	JULY .	15 2 47	14 15 8
	AUG. .	13 15 31	13 3 34
	○ SEPT. .	28 9 53	28 12 23
		12 4 15	11 18 43
	OCT. .	11 16 59	11 12 11
	NOV. .	10 5 43	10 6 51
	DEC. .	9 18 27	10 1 21
1654. A. 10 13 39	JAN. .	8 7 12	8 18 19
	FEB. .	6 19 56	7 8 48
	○ MAR. .	21 14 18	21 8 43
		8 8 40	8 20 34
	APRIL	6 21 24	7 5 56
	MAY .	6 10 8	6 13 37
	JUNE .	4 22 52	4 20 30
	JULY .	4 11 36	4 3 40
	AUG. .	3 0 20	2 12 15
	○ SEPT. .	17 18 42	18 1 0
		1 13 4	31 23 15
	OCT. .	1 1 48	30 13 16
		30 14 32	30 6 12
	NOV. .	29 3 16	29 1 12
	DEC. .	28 16 0	28 20 43

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1655.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 10 19 28	JAN.	27 4 44	27 15 7
	FEB.	25 17 28	26 7 2
	MAR.	27 6 12	27 19 54
	APRIL	25 18 56	26 5 54
	MAY	25 7 40	25 13 44
	JUNE	23 20 24	23 20 30
	JULY	23 9 8	23 8 17
	AUG.	21 21 52	21 11 10
	SEPT.	20 10 36	19 21 8
	OCT.	19 23 20	19 9 54
	NOV.	18 12 4	18 1 39
	DEC.	18 0 48	17 19 49
1656. F.E. 10 1 17	○	1 19 11	1 22 35
	JAN.	16 13 38	16 15 12
	FEB.	15 2 17	15 10 6
	MAR.	15 15 1	16 8 4
	APRIL	14 8 45	14 17 10
	MAY	13 16 29	14 4 20
	JUNE	12 5 13	12 13 8
	○	26 23 35	26 16 16
	JULY	11 17 57	11 20 31
	AUG.	10 6 41	10 3 39
	SEPT.	8 19 25	8 11 31
	OCT.	8 8 9	7 21 1
	NOV.	6 20 53	6 8 46
	DEC.	6 9 37	5 23 0
	○	21 3 59	21 12 52
1657. D. 10 7 6	JAN.	4 22 22	4 15 32
	FEB.	3 11 6	3 9 31
	MAR.	4 23 50	5 3 48
	APRIL	3 12 34	3 21 3
	MAY	3 1 18	3 12 16
	JUNE	1 14 2	2 0 57
	○	16 8 24	15 22 45
	JULY	1 2 46	1 11 19
		30 15 30	30 20 6
	AUG.	29 4 14	29 4 16
	SEPT.	27 16 58	27 12 49
	OCT.	27 5 42	26 22 25
	NOV.	25 18 26	25 9 30
	○	10 12 48	10 21 22
	DEC.	25 7 10	24 22 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1658.		*d. h. m.*	*d. h. m.*
C. March. *d. h. m.* 10 12 55	JAN.	23 19 54	23 12 41
	FEB.	22 8 38	22 4 29
	MAR.	23 21 22	23 21 6
	APRIL	22 10 6	22 13 41
	MAY	21 22 50	22 5 25
	JUNE	20 11 34	20 19 36
	JULY	20 0 18	20 7 58
	AUG.	18 13 2	18 18 48
	SEPT.	17 1 46	17 4 44
	OCT.	16 14 30	16 14 31
	NOV.	15 3 14	15 0 42
	DEC.	14 15 58	14 11 31
1659. B. 10 18 44	JAN.	13 4 43	12 23 6
	FEB.	11 17 27	11 11 26
	MAR.	13 6 11	13 0 41
	APRIL	11 18 55	11 14 54
	○	26 13 17	26 22 4
	MAY	11 7 39	11 5 58
	JUNE	9 20 23	9 21 25
	JULY	9 9 7	9 12 38
	AUG.	7 21 51	8 3 1
	SEPT.	6 10 35	6 16 18
	OCT.	5 23 19	6 4 33
	○	20 17 41	20 5 6
	NOV.	4 12 3	4 16 6
	DEC.	4 0 47	4 3 16
1660. A.G. 10 0 32	JAN.	2 13 31	2 14 9
	FEB.	1 2 15	1 0 49
	MAR.	1 14 59	1 11 23
		31 3 43	30 22 15
	○	14 22 5	15 11 33
	APRIL	29 16 27	29 9 56
	MAY	29 5 11	28 22 53
	JUNE	27 17 55	27 13 16
	JULY	27 6 39	27 4 44
	AUG.	25 19 23	25 20 51
	SEPT.	24 8 7	24 12 21
	○	9 2 29	8 13 42
	OCT.	23 20 51	24 3 13
	NOV.	22 9 35	22 16 56
	DEC.	21 22 19	22 5 28

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1661.		d. h. m.	d. h. m.
F. March. d. h. m. 10 6 21	JAN. .	20 11 4	20 16 45
	FEB. .	18 23 48	19 2 52
	MAR. .	20 12 32	20 12 9
	○	4 6 54	4 18 0
	APRIL	19 1 16	18 21 5
	MAY .	18 14 0	18 6 30
	JUNE .	17 2 44	16 17 15
	JULY .	16 15 28	16 6 2
	AUG. .	15 4 12	14 21 0
	SEPT. .	13 16 56	13 13 40
	○	28 11 18	28 4 22
	OCT. .	13 5 40	13 7 11
	NOV. .	11 18 24	12 0 26
	DEC. .	11 7 8	11 16 27
1662. E. 10 12 10	JAN. .	9 19 52	10 6 37
	FEB. .	8 8 37	8 18 37
	MAR. .	9 21 21	10 4 38
	APRIL	8 10 5	8 13 6
	MAY .	7 22 49	7 20 45
	JUNE .	6 11 33	6 4 31
	JULY .	6 0 17	5 13 26
	AUG. .	4 13 1	4 0 32
	SEPT. .	3 1 45	2 14 22
	OCT. .	2 14 29	2 6 53
	NOV. .	1 3 13	1 1 18
		30 15 57	30 20 14
	DEC. .	30 4 41	30 14 13
1663. D. 10 17 59	JAN. .	28 17 25	29 6 3
	○	12 11 47	12 5 26
	FEB. .	27 6 9	27 19 7
	MAR. .	28 18 53	29 5 31
	APRIL	27 7 37	27 13 48
	MAY .	26 20 21	26 20 50
	JUNE .	25 9 5	25 3 39
	JULY .	24 21 49	24 11 23
	○	8 16 11	8 22 35
	AUG. .	23 10 33	22 21 6
	SEPT. .	21 23 17	21 9 38
	OCT. .	21 12 1	21 1 15
	NOV. .	20 0 45	19 19 27
	DEC. .	19 13 29	19 14 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1664. C.B.		d. h. m.	d. h. m.
March. d. h. m. 9 23 47	JAN. .	18 2 14	18 10 9
	○	1 20 36	1 16 50
	FEB. .	16 14 58	17 3 25
	MAR. .	17 8 42	17 17 45
	APRIL	15 16 26	16 5 2
	MAY .	15 5 10	15 13 46
	JUNE .	13 17 54	13 20 56
	JULY .	13 6 38	13 3 36
	○	28 1 0	28 2 15
	AUG. .	11 19 22	11 10 51
	SEPT. .	10 8 6	9 19 46
	OCT. .	9 20 50	9 7 10
	NOV. .	8 9 34	7 21 29
	DEC. .	7 22 18	7 14 33
1665. A. 10 5 36	JAN. .	6 11 3	6 9 26
	○	21 5 25	21 8 21
	FEB. .	4 23 47	5 4 41
	MAR. .	6 12 31	6 22 38
	APRIL	5 1 15	5 14 9
	MAY .	4 13 59	5 2 43
	JUNE .	3 2 43	3 12 36
	JULY .	2 15 27	2 20 37
	AUG. .	1 4 11	1 3 51
		30 16 55	30 11 23
	SEPT. .	29 5 39	28 20 8
	OCT. .	28 18 23	28 6 49
	NOV. .	27 7 7	26 19 50
	DEC. .	26 19 51	26 11 11
1666. G. 10 11 25	JAN. .	25 8 35	25 4 23
	FEB. .	23 21 19	23 22 27
	MAR. .	25 10 3	25 16 11
	APRIL	23 22 47	24 8 23
	MAY .	23 11 31	23 22 19
	○	7 5 58	6 21 25
	JUNE .	22 0 15	22 9 52
	JULY .	21 12 59	21 19 29
	AUG. .	20 1 43	20 4 2
	SEPT. .	18 14 27	18 12 30
	OCT. .	18 3 11	17 21 42
	NOV. .	16 15 55	16 8 7
	○	1 10 17	1 16 56
	DEC. .	16 4 39	15 20 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1667.		*d. h. m.*	*d. h. m.*
F.	JAN. .	14 17 24	14 9 32
March.	FEB. .	13 6 8	13 0 26
d. h. m.	MAR. .	14 18 52	14 16 26
10 17 14	APRIL	13 7 36	13 8 54
	MAY .	12 20 20	13 1 1
	○	27 14 42	27 12 25
	JUNE .	11 9 4	11 16 1
	JULY .	10 21 48	11 5 24
	AUG. .	9 10 32	9 17 10
	SEPT. .	7 23 16	8 3 43
	OCT. .	7 12 0	7 13 46
	NOV. .	6 0 44	5 23 54
	○	20 19 6	20 17 5
	DEC. .	5 13 28	5 10 30
1668.	JAN. .	4 2 13	3 21 40
E.D.	FEB. .	2 14 57	2 9 25
9 23 3	MAR. .	3 3 41	2 21 56
	APRIL	1 16 25	1 11 22
	MAY ○	1 5 9	1 1 46
		15 23 31	16 5 40
		30 17 53	30 16 56
	JUNE .	29 6 37	29 8 19
	JULY .	28 19 21	28 23 19
	AUG. .	27 8 5	27 13 24
	SEPT. .	25 20 49	26 2 27
	OCT. .	25 9 33	25 14 36
	○	9 3 55	8 17 19
	NOV. .	23 22 17	24 2 8
	DEC. .	23 11 1	23 13 14
1669.	JAN. .	21 23 45	21 23 56
C.	FEB. .	20 12 29	20 10 20
10 4 52	MAR. .	22 1 13	21 20 44
	APRIL	20 13 57	20 7 39
	MAY .	20 2 41	19 19 40
	JUNE .	18 15 25	18 9 11
	JULY .	18 4 9	18 0 10
	AUG. .	16 16 58	16 16 6
	SEPT. .	15 5 37	15 8 14
	OCT. .	14 18 21	14 23 50
	NOV. .	13 7 5	13 14 26
	DEC. .	12 19 49	13 3 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1670.		*d. h. m.*	*d. h. m.*
B.	JAN. .	11 8 34	11 15 41
March.	FEB. .	9 21 18	10 2 17
d. h. m.	MAR. .	11 10 2	11 11 45
10 10 40	○	26 4 24	26 13 35
	APRIL	9 22 46	9 20 32
	MAY .	9 11 30	9 5 22
	JUNE .	8 0 14	7 15 9
	JULY .	7 12 58	7 2 46
	AUG. .	6 1 42	5 16 39
	SEPT. .	4 14 26	4 8 38
	○	19 8 48	19 4 3
	OCT. .	4 3 10	4 2 5
	NOV. .	2 15 54	2 19 51
	DEC. .	2 4 38	2 12 48
		31 17 22	...
1671.	JAN. .	...	1 4 4
A.		30 6 7	30 17 11
	FEB. .	28 18 51	...
	○	15 13 13	1 4 3
10 16 29	MAR. .	30 7 35	15 13 33
			30 13 4
	APRIL	28 20 19	28 20 51
	MAY .	28 9 3	28 4 15
	JUNE .	26 21 47	26 12 21
	JULY .	26 10 31	25 22 12
	AUG. .	24 23 15	24 10 40
	○	8 17 37	8 20 6
	SEPT. .	23 11 59	23 1 59
	OCT. .	23 0 43	22 19 43
	NOV. .	21 13 27	21 14 43
	DEC. .	21 2 11	21 9 30
1672.	JAN. .	19 14 55	20 2 36
G.F.	FEB. .	18 3 39	18 17 3
9 22 18	○	3 22 1	3 16 33
	MAR. .	18 16 23	19 4 39
	APRIL	17 5 7	17 13 46
	MAY .	16 17 51	16 21 12
	JUNE .	15 6 35	15 3 56
	JULY .	14 19 19	14 11 2
	AUG. .	13 8 3	12 19 40
	○	28 2 25	28 8 21
	SEPT. .	11 20 47	11 6 46
	OCT. .	11 9 31	10 20 56
	NOV. .	9 22 15	9 14 2
	DEC. .	9 10 59	9 9 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1673. E. March. d. h. m. 10 4 7	JAN.	7 23 44	8 4 44
	FEB.	6 12 28	6 23 8
	MAR.	8 1 12	8 14 51
	APRIL	6 18 56	7 3 31
	MAY	6 2 40	6 13 25
	JUNE	4 15 24	4 21 12
	JULY	4 4 8	4 3 58
	AUG.	2 16 52	2 10 52
	SEPT.	1 5 36	31 18 57
		30 18 20	30 5 8
	OCT.	30 7 4	29 18 3
	NOV.	28 19 48	28 9 49
	DEC.	28 8 32	28 3 53
1674. D. 10 9 56	○	12 2 54	12 7 28
	JAN.	26 21 16	26 23 1
	FEB.	25 10 0	25 17 39
	MAR.	26 22 44	27 10 23
	APRIL	25 11 28	26 0 23
	MAY	25 0 12	25 11 32
	JUNE	23 12 56	23 20 24
	○	8 7 18	7 22 53
	JULY	23 1 40	23 3 59
	AUG.	21 14 24	21 11 25
	SEPT.	20 3 8	19 19 37
	OCT.	19 15 52	19 5 24
	NOV.	18 4 36	17 17 18
	DEC.	17 17 20	17 7 27
1675. C. 10 15 45	○	1 11 43	1 21 35
	JAN.	16 6 5	15 23 41
	FEB.	14 18 49	14 17 14
	MAR.	16 7 33	16 11 4
	APRIL	14 20 17	15 3 59
	MAY	14 9 1	14 19 4
	JUNE	12 21 45	13 7 50
	○	27 16 7	27 5 47
	JULY	12 10 29	12 18 26
	AUG.	10 23 13	11 3 35
	SEPT.	9 11 57	9 12 13
	OCT.	9 0 41	8 21 11
	NOV.	7 13 25	7 7 6
	DEC.	7 2 9	6 18 18
	○	21 20 31	22 5 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1676. B.A. March. d. h. m. 9 21 33	JAN.	5 14 54	5 6 55
	FEB.	4 3 33	3 20 56
	MAR.	4 16 22	4 12 9
	APRIL	3 5 6	3 4 11
	MAY	2 17 50	2 20 23
	JUNE	1 6 34	1 11 58
		30 19 18	1 2 17
	JULY	30 8 2	30 15 0
	AUG.	28 20 46	29 2 21
	SEPT.	27 9 30	27 12 50
	OCT.	26 22 14	26 23 6
	NOV.	25 10 58	25 9 31
	DEC.	24 23 42	24 20 27
1677. G. 10 3 22	JAN.	23 12 26	23 7 47
	FEB.	22 1 10	21 19 40
	MAR.	23 13 54	23 8 19
	APRIL	22 2 38	21 21 56
	○	6 21 0	7 5 40
	MAY	21 15 22	21 12 35
	JUNE	20 4 6	20 3 51
	JULY	19 16 50	19 19 12
	AUG.	18 5 34	18 9 59
	SEPT.	16 18 18	16 23 49
	OCT.	16 7 2	16 12 42
	○	31 1 24	30 13 4
	NOV.	14 19 46	15 0 45
	DEC.	14 8 30	14 12 11
1678. F. 10 9 11	JAN.	12 21 15	12 23 5
	FEB.	11 9 59	11 9 29
	MAR.	12 22 43	12 19 36
	APRIL	11 11 27	11 5 53
	○	26 5 49	26 18 57
	MAY	11 0 11	10 17 1
	JUNE	9 12 55	9 5 35
	JULY	9 1 39	8 19 48
	AUG.	7 14 23	7 11 21
	SEPT.	6 3 7	6 3 42
	OCT.	5 15 51	5 19 56
	○	20 10 13	19 21 58
	NOV.	4 4 35	4 11 23
	DEC.	3 17 19	4 1 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1679. E.		*d. h. m.*	*d. h. m.*
	JAN.	2 6 4	2 14 18
		31 18 48	...
March. *d. h. m.*	FEB.	...	1 1 31
10 15 0	MAR.	2 7 32	2 11 22
		31 20 16	31 20 12
	○ APRIL	15 14 38	16 1 10
		30 9 0	30 4 40
	MAY	29 21 44	29 13 40
	JUNE	28 10 28	28 0 9
	JULY	27 23 12	27 12 49
	AUG.	26 11 56	26 8 51
	SEPT.	25 0 40	24 20 51
	○ OCT.	9 19 2	9 12 45
		24 13 24	24 14 49
	NOV.	23 2 8	23 8 33
	DEC.	22 14 52	23 0 55
1680. D.C.	JAN.	21 3 36	21 15 11
	FEB.	19 16 20	20 8 5
9 20 49	MAR.	20 5 4	20 12 50
	APRIL	18 17 48	18 20 58
	MAY	18 6 32	18 4 17
	JUNE	16 19 16	16 11 47
	JULY	16 8 0	15 20 34
	AUG.	14 20 44	14 7 39
	SEPT.	13 9 23	12 21 35
	OCT.	12 22 12	12 14 21
	NOV.	11 10 56	11 9 2
	DEC.	10 23 40	11 4 16
1681. B.	JAN.	9 12 25	9 22 26
	FEB.	8 1 9	8 14 17
	○	22 19 31	22 13 32
10 2 38	MAR.	9 13 53	10 3 13
	APRIL	8 2 37	8 13 24
	MAY	7 15 21	7 21 28
	JUNE	6 4 5	6 4 19
	JULY	5 16 49	5 11 5
	AUG.	4 5 33	3 18 50
	○	18 23 55	19 5 43
	SEPT.	2 18 17	2 4 40
	OCT.	2 7 1	1 17 20
		31 19 45	31 9 6
	NOV.	30 8 29	30 3 25
	DEC.	29 21 13	29 22 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1682. A.		*d. h. m.*	*d. h. m.*
	JAN.	28 9 58	28 18 5
	○ FEB.	12 4 20	12 1 26
March. *d. h. m.*		26 22 42	27 11 12
10 8 26	MAR.	28 11 26	29 1 24
	APRIL	27 0 10	27 12 33
	MAY	26 12 54	26 21 12
	JUNE	25 1 38	25 4 21
	JULY	24 14 22	24 11 8
	○ AUG.	8 8 44	8 8 56
		23 3 6	22 18 36
	SEPT.	21 15 50	21 3 44
	OCT.	21 4 34	20 15 19
	NOV.	19 17 18	19 5 42
	DEC.	19 6 2	18 22 42
1683. G.	JAN.	17 18 46	17 17 22
	○ FEB.	1 13 8	1 17 8
		16 7 30	16 12 18
10 14 15	MAR.	17 20 14	18 6 0
	APRIL	16 8 58	16 21 20
	MAY	15 21 42	16 9 50
	JUNE	14 10 26	14 19 47
	JULY	13 23 10	14 3 59
	○	23 17 32	28 9 27
	AUG.	12 11 54	12 11 31
	SEPT.	11 0 38	10 19 23
	OCT.	10 13 22	10 4 48
	NOV.	9 2 6	8 15 21
	DEC.	8 14 50	8 4 22
1684. F.E.	JAN.	7 3 35	6 19 31
	FEB.	5 16 19	5 12 18
9 20 4	MAR.	6 5 3	6 5 53
	APRIL	4 17 47	4 23 12
	MAY	4 6 31	4 15 11
	JUNE	2 19 15	3 5 9
	○	17 13 37	17 4 34
	JULY	2 7 59	2 16 53
		31 20 43	1 2 50
	AUG.	30 9 27	30 11 50
	SEPT.	28 22 11	28 20 45
	OCT.	28 10 55	28 6 20
	NOV.	26 23 39	26 16 57
	○ DEC.	11 18 1	12 1 7
		26 12 23	26 4 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1685.		d. h. m.	d. h. m.
D. March. d. h. m. 10 1 53	JAN.	25 1 8	24 17 59
	FEB.	23 13 52	23 8 22
	MAR.	25 2 36	24 23 45
	APRIL	23 15 20	23 15 43
	MAY	23 4 4	23 7 35
	○	6 22 26	6 19 51
	JUNE	21 16 48	21 22 35
	JULY	21 5 32	21 12 16
	AUG.	19 18 16	20 0 30
	SEPT.	18 7 0	18 11 36
	OCT.	17 19 44	17 22 11
	NOV.	16 8 28	16 8 41
	○	1 2 50	1 1 1
	DEC.	15 21 12	15 19 27
1686. C. 10 7 42	JAN.	14 9 56	14 6 29
	FEB.	12 22 40	12 17 53
	MAR.	14 11 24	14 5 49
	APRIL	13 0 8	12 18 38
	MAY	12 12 52	12 8 31
	○	27 7 14	27 13 7
	JUNE	11 1 36	10 23 24
	JULY	10 14 20	10 14 48
	AUG.	9 8 4	9 6 5
	SEPT.	7 15 48	7 20 42
	OCT.	7 4 32	7 10 21
	NOV.	5 17 16	5 23 5
	○	20 11 38	20 1 23
	DEC.	5 6 0	5 10 58
1687. B. 10 13 31	JAN.	3 18 45	3 22 11
	FEB.	2 7 29	2 8 43
	MAR.	3 20 13	3 18 44
	APRIL	2 8 57	2 4 35
	MAY	1 21 41	1 14 57
		31 10 25	31 2 31
	JUNE	29 23 9	29 15 47
	JULY	29 11 53	29 6 45
	AUG.	28 0 37	27 22 52
	SEPT.	26 13 21	26 15 34
	OCT.	26 2 5	23 7 46
	NOV.	24 14 49	24 22 53
	DEC.	24 3 33	24 12 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	
A.D. 1688.		d. h. m.	d
A.G. March. d. h. m. 9 19 19	JAN.	22 16 17	22
	FEB.	21 5 1	21
	MAR.	21 17 45	21
	○	5 12 7	5
	APRIL	20 6 23	20
	MAY	19 19 13	19
	JUNE	18 7 57	17 2
	JULY	17 20 41	17
	AUG.	16 9 25	15 2
	SEPT.	14 22 9	14 1
	○	29 16 31	29 12
	OCT.	14 10 53	14 9
	NOV.	12 23 37	13 3
	DEC.	12 12 21	12 21
1689. F. 10 1 8	JAN.	11 1 5	11 12
	FEB.	9 13 49	10 1 4
	MAR.	11 2 34	11 12 2
	○	25 20 56	25 20 4
	APRIL	9 15 18	9 21 2
	MAY	9 4 2	9 4 29
	JUNE	7 16 46	7 11 37
	JULY	7 5 30	6 19 34
	AUG.	5 18 14	5 5 22
	SEPT.	4 6 58	3 17 53
	○	19 1 20	19 4 14
	OCT.	3 19 42	3 9 23
	NOV.	2 8 26	2 3 23
	DEC.	1 21 10	1 22 40
		31 9 54	31 17 37
1690. E. 10 6 57	JAN.	29 22 38	30 10 46
	FEB.	28 11 22	1 1 9
	○	15 5 44	15 0 16
	MAR.	30 0 7	30 12 34
	APRIL	28 12 51	28 21 29
	MAY	28 1 35	28 4 43
	JUNE	26 14 19	26 11 22
	JULY	26 3 3	25 18 30
	AUG.	24 15 47	24 3 14
	○	8 10 9	8 15 50
	SEPT.	23 4 31	22 14 28
	OCT.	22 17 15	22 4 47
	NOV.	21 5 59	20 22 0
	DEC.	20 18 43	20 17 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1691. D. March. *d. h. m.* 10 12 46		*d. h. m.*	*d. h. m.*
	JAN.	19 7 27	19 12 37
	FEB.	17 20 11	18 6 50
	MAR.	19 8 55	19 22 29
	APRIL	17 21 39	18 11 8
	MAY	17 10 23	17 20 48
	JUNE	15 23 7	16 4 35
	JULY	15 11 51	15 11 27
	AUG.	14 0 35	13 18 33
	SEPT.	12 13 19	12 2 52
	OCT.	12 2 3	11 13 16
	NOV.	10 14 47	10 2 18
	DEC.	10 3 31	9 18 2
1692. C.B. 9 18 35	JAN.	8 16 16	8 11 55
	○	23 10 38	23 16 21
	FEB.	7 5 0	7 6 45
	MAR.	7 17 44	8 1 4
	APRIL	6 6 28	6 17 31
	MAY	5 19 12	6 7 29
	JUNE	4 7 56	4 18 33
	JULY	3 20 40	4 3 41
	○	18 15 2	18 5 34
	AUG.	2 9 24	2 11 33
		31 22 8	31 19 19
	SEPT.	30 10 52	30 3 51
	OCT.	29 23 36	29 13 56
	NOV.	28 12 20	28 1 55
	DEC.	28 1 4	27 15 56
1693. A. 10 0 21	○	11 19 27	12 6 15
	JAN.	26 13 49	26 7 47
	FEB.	25 2 33	25 0 51
	MAR.	23 15 17	26 18 12
	APRIL	25 4 1	25 10 49
	MAY	24 16 45	25 1 49
	JUNE	23 5 29	23 14 42
	○	7 23 51	7 12 52
	JULY	22 18 13	23 1 38
	AUG.	21 6 57	21 11 12
	SEPT.	19 19 41	19 20 19
	OCT.	19 8 25	19 5 42
	NOV.	17 21 9	17 15 53
	DEC.	17 9 53	17 3 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1694. G. March. *d. h. m.* 10 6 12		*d. h. m.*	*d. h. m.*
	○	1 4 15	1 13 57
	JAN.	15 22 37	15 15 33
	FEB.	14 11 21	14 5 5
	MAR.	16 0 5	15 19 43
	APRIL	14 12 49	14 11 10
	MAY	14 1 33	14 2 59
	JUNE	12 14 17	12 13 27
	○	27 8 39	27 3 1
	JULY	12 3 1	12 8 56
	AUG.	10 15 45	10 22 5
	SEPT.	9 4 29	9 9 58
	OCT.	8 17 13	8 21 2
	NOV.	7 5 57	7 7 45
	DEC.	6 18 41	6 18 30
1695. F. 10 12 1	JAN.	5 7 26	5 5 24
	FEB.	3 20 10	3 16 27
	MAR.	5 8 54	5 3 49
	APRIL	3 21 38	3 15 51
	MAY	3 10 22	3 4 56
	○	18 4 44	18 13 9
	JUNE	1 23 6	1 19 8
	JULY	1 11 50	1 10 18
		31 0 34	31 1 48
	AUG.	29 13 18	29 17 2
	SEPT.	28 2 2	28 7 30
	OCT.	27 14 46	27 20 53
	○	11 9 8	10 21 11
	NOV.	26 3 30	26 9 30
	DEC.	25 16 14	25 21 8
1696. E.D. 9 17 50	JAN.	24 4 59	24 7 57
	FEB.	22 17 43	22 18 2
	MAR.	23 6 27	23 3 40
	APRIL	21 19 11	21 13 25
	○	6 13 33	7 2 11
	MAY	21 7 55	21 0 4
	JUNE	19 20 39	19 12 17
	JULY	19 9 23	19 2 21
	AUG.	17 22 7	17 18 6
	SEPT.	16 10 51	16 10 50
	OCT.	15 23 35	16 3 38
	○	30 17 57	30 6 24
	NOV.	14 12 19	14 19 38
	DEC.	14 1 3	14 10 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1637.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 10 10 49	JAN. .	15 21 1	16 7 5
	FEB. .	14 9 45	14 23 5
	MAR. .	15 22 29	16 12 6
	APRIL	14 11 13	14 22 16
	MAY .	13 23 57	14 6 15
	JUNE .	12 12 41	12 13 5
	JULY .	12 1 25	11 19 49
	AUG. .	10 14 9	10 8 32
	SEPT. .	9 2 58	8 13 20
	OCT. .	8 15 37	8 1 55
	NOV. .	7 4 21	6 17 36
	DEC. .	6 17 5	6 11 48
	○	21 11 27	21 13 36
1638. G. 10 16 38	JAN. .	5 5 49	5 7 18
	FEB. .	3 18 33	4 2 23
	MAR. .	5 7 17	5 19 32
	APRIL	3 20 1	4 9 48
	MAY .	3 8 45	3 21 2
	JUNE .	1 21 29	2 5 48
	○	16 15 51	16 9 42
	JULY .	1 10 13	1 13 4
		30 22 57	30 19 58
	AUG. .	29 11 41	29 3 34
	SEPT. .	28 0 25	27 12 47
	OCT. .	27 13 9	27 0 20
	NOV. .	26 1 53	25 14 36
	○	10 20 15	11 4 4
	DEC. .	25 14 37	25 7 19
1639. F. 10 22 27	JAN. .	24 3 22	24 1 41
	FEB. .	22 16 6	22 20 21
	MAR. .	24 4 50	24 13 57
	APRIL	22 17 34	23 5 19
	MAY .	22 6 18	22 17 59
	○	6 0 40	5 15 45
	JUNE .	20 19 2	21 4 10
	JULY .	20 7 46	20 12 30
	AUG. .	18 20 30	18 20 27
	SEPT. .	17 9 14	17 4 35
	OCT. .	16 21 58	16 13 50
	NOV. .	15 10 42	15 0 45
	○	30 5 4	30 13 8
	DEC. .	14 23 26	14 13 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1640. E.D. March. *d. h. m.* 10 4 16		*d. h. m.*	*d. h. m.*
	JAN. .	13 12 11	13 4 24
	FEB. .	12 0 55	11 20 43
	MAR. .	12 13 39	12 13 52
	APRIL	11 2 23	11 6 54
	MAY .	10 15 7	10 22 49
	JUNE .	9 8 51	9 12 55
	JULY .	8 16 35	9 0 59
	AUG. .	7 5 19	7 11 22
	SEPT. .	5 18 3	5 20 47
	OCT. .	5 6 47	5 6 4
	NOV. .	3 19 31	3 15 53
	DEC. .	3 8 15	3 2 36
1641. C. 10 10 5	JAN. .	1 20 59	1 14 18
		31 9 43	31 3 5
	FEB. .	...	...
	MAR. .	1 22 27	1 16 55
		31 11 11	31 7 45
	○	15 5 33	15 14 21
	APRIL	29 23 55	29 23 18
	MAY .	29 12 39	29 14 58
	JUNE .	23 1 23	28 6 5
	JULY .	27 14 7	27 20 6
	AUG. .	26 2 51	26 8 50
	SEPT. .	24 15 35	24 20 29
	○	9 9 57	8 21 16
	OCT. .	24 4 19	24 7 31
	NOV. .	22 17 3	22 18 21
	DEC. .	22 5 47	22 5 10
1642. B. 10 15 54	JAN. .	20 18 32	20 16 5
	FEB. .	19 7 16	19 3 7
	MAR. .	20 20 0	20 14 33
	○	4 14 22	5 4 4
	APRIL	19 8 44	19 2 47
	MAY .	18 21 28	18 16 13
	JUNE .	17 10 12	17 6 49
	JULY .	16 22 56	16 22 13
	AUG. .	15 11 40	15 13 47
	SEPT. .	14 0 24	14 4 54
	○	28 18 46	28 5 34
	OCT. .	13 13 8	13 19 9
	NOV. .	12 1 52	12 8 21
	DEC. .	11 14 36	11 20 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1643.		*d. h. m.*	*d. h. m.*
A.	JAN. .	10 8 21	10 7 54
March.	FEB. .	8 16 5	8 18 17
d. h. m.	MAR. .	10 4 49	10 8 59
10 21 42	○	24 23 11	25 10 48
	APRIL	8 17 33	8 13 24
	MAY .	8 6 17	7 23 18
	JUNE .	6 19 1	6 10 25
	JULY .	6 7 45	5 23 23
	AUG. .	4 20 29	4 14 15
	SEPT. .	3 9 13	3 6 38
	○	18 3 35	17 20 8
	OCT. .	2 21 57	2 23 41
	NOV. .	1 10 41	1 16 24
		30 23 25	1 7 59
	DEC. .	30 12 9	30 21 56
1644.	JAN. .	29 0 53	29 10 0
G.F.	FEB. .	27 13 37	27 20 17
10 3 31	MAR. .	28 2 21	28 5 8
	APRIL	26 15 5	26 13 8
	MAY .	26 3 49	25 21 12
	JUNE .	24 16 33	24 6 22
	JULY .	24 5 17	23 17 32
	AUG. .	22 18 1	22 7 17
	SEPT. .	21 6 45	20 23 33
	OCT. .	20 19 29	20 17 38
	NOV. .	19 8 13	19 12 13
	DEC. .	18 20 57	19 5 57
1645.	JAN. .	17 9 42	17 21 42
E.	○	1 4 4	31 21 16
	FEB. .	15 22 26	16 10 52
10 9 20	MAR. .	17 11 10	17 21 30
	APRIL	15 23 54	16 6 2
	MAY .	15 12 38	15 13 19
	JUNE .	14 1 22	13 20 17
	JULY .	13 14 6	13 4 4
	○	28 8 28	28 15 43
	AUG. .	12 2 50	11 13 43
	SEPT. .	10 15 34	10 2 7
	OCT. .	10 4 18	9 17 31
	NOV. .	8 17 2	8 11 37
	DEC. .	8 5 46	8 7 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1646.		*d. h. m.*	*d. h. m.*
D.	JAN. .	6 18 30	7 2 9
	○	21 12 52	21 8 10
March.	FEB. .	5 7 14	5 19 27
d. h. m.	MAR. .	6 19 58	7 9 55
10 15 9	APRIL	5 8 42	5 21 22
	MAY .	4 21 26	5 6 16
	JUNE .	3 10 10	3 18 28
	JULY .	2 22 54	2 20 6
	○	17 17 16	17 19 39
	AUG. .	1 11 38	1 3 14
		31 0 22	30 11 57
	SEPT. .	29 13 6	28 23 10
	OCT. .	29 1 50	23 13 23
	NOV. .	27 14 31	27 6 28
	DEC. .	27 3 18	27 1 28
1647.	○	10 21 40	10 23 28
C.	JAN. .	25 16 3	25 20 54
	FEB. .	24 4 47	24 15 6
10 20 58	MAR. .	25 17 31	26 6 48
	APRIL	24 6 15	24 19 57
	MAY .	23 18 59	24 5 20
	JUNE .	22 7 43	22 13 15
	JULY .	21 20 27	21 20 16
	AUG. .	20 9 11	20 3 31
	SEPT. .	18 21 55	18 11 57
	OCT. .	18 10 39	17 22 24
	NOV. .	16 23 23	16 11 21
	DEC. .	16 12 7	16 2 51
1648.	JAN. .	15 0 52	14 20 24
B.A.	FEB. .	13 13 36	13 14 54
10 2 47	MAR. .	14 2 20	14 9 0
	APRIL	12 15 4	13 1 28
	MAY .	12 3 48	12 15 28
	○	26 22 10	26 14 16
	JUNE .	10 16 32	11 2 52
	JULY .	10 5 16	10 12 12
	AUG. .	8 18 0	8 20 23
	SEPT. .	7 6 44	7 4 25
	OCT. .	6 19 28	6 13 13
	NOV. .	5 8 12	4 23 24
	○	20 2 34	20 8 48
	DEC. .	4 20 56	4 11 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1709. B. March. d. h. m. 9 21 25	JAN.	29 15 11	29 20 27
	FEB.	28 8 55	28 14 29
	MAR.	29 16 39	30 5 57
	APRIL	28 5 28	28 18 24
	MAY	27 18 7	28 4 8
	JUNE	26 6 51	26 11 58
	JULY	25 19 35	25 19 0
	AUG.	24 8 19	24 2 21
	SEPT.	22 21 8	22 10 56
	OCT.	22 9 47	21 21 35
	NOV.	20 22 31	20 10 42
	DEC.	20 11 15	20 2 20
1710. A. 10 8 14	JAN.	19 0 0	18 19 55
	FEB.	○ 2 18 22 17 12 44	3 1 6 17 14 22
	MAR.	19 1 28	19 8 21
	APRIL	17 14 12	18 0 38
	MAY	17 2 56	17 14 27
	JUNE	15 15 40	16 1 43
	JULY	15 4 24 ○ 29 22 46	15 10 59 29 12 19
	AUG.	13 17 8	13 19 12
	SEPT.	12 5 52	12 3 20
	OCT.	11 18 35	11 12 15
	NOV.	10 7 20	9 22 35
	DEC.	9 20 4	9 10 37
1711. G. 10 9 8	JAN.	8 8 48 ○ 28 3 10	8 0 25 28 14 51
	FEB.	6 21 32	6 15 50
	MAR.	8 10 16	8 8 20
	APRIL	6 28 0	7 1 13
	MAY	6 11 44	6 17 32
	JUNE	5 0 28	5 8 27
	JULY	4 13 12 ○ 19 7 34	4 21 32 18 20 0
	AUG.	3 1 56	3 8 50
	SEPT.	1 14 40	1 18 54
	OCT.	1 3 24 30 16 8	1 4 30 30 14 19
	NOV.	29 4 52	29 0 47
	DEC.	28 17 36	28 12 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1712. F.E. March. d. h. m. 9 14 52	○ JAN.	12 11 59 27 6 21	12 22 10 27 0 8
	FEB.	25 19 5	25 13 9
	MAR.	26 7 49	26 3 9
	APRIL	24 20 33	24 18 4
	MAY	24 9 17	24 9 32
	JUNE	22 22 1	23 0 55
	○ JULY	7 16 23 22 10 45	7 10 26 22 15 38
	AUG.	20 23 29	21 5 15
	SEPT.	19 12 13	19 17 44
	OCT.	19 0 57	19 5 22
	NOV.	17 13 41	17 16 32
	DEC.	17 2 25	17 3 29
1713. D. 9 20 40	JAN.	15 15 10	15 14 18
	FEB.	14 8 54	14 1 0
	MAR.	15 16 38	15 11 51
	APRIL	14 5 22	13 23 17
	MAY	13 18 6 ○ 28 12 28	13 11 49 28 20 35
	JUNE	12 6 50	12 1 41
	JULY	11 19 34	11 16 45
	AUG.	10 8 18	10 8 30
	SEPT.	8 21 2	9 0 14
	OCT.	8 9 46	8 15 17
	NOV.	6 22 30 ○ 21 16 52	7 5 21 21 5 26
	DEC.	6 11 14	6 18 16
1714. C. 10 2 29	JAN.	4 23 58	5 6 3
	FEB.	3 12 42	3 16 44
	MAR.	5 1 26	5 2 27
	APRIL	3 14 10	3 11 35
	MAY	3 2 54 ○ 17 21 16	2 20 51 18 9 18
	JUNE	1 15 33	1 7 2 30 18 58
	JULY	1 4 22 30 17 6	30 9 0
	AUG.	29 5 50	29 0 56
	SEPT.	27 18 34	27 18 5
	OCT.	27 7 18	27 11 25
	NOV.	○ 11 1 40 25 20 2	10 14 58 26 3 56
	DEC.	25 8 46	25 18 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1715. B. March. d. h. m. 10 8 18		d. h. m.	d. h. m.
	JAN.	23 21 31	24 7 48
	FEB.	22 10 15	22 18 44
	MAR.	23 22 59	24 8 54
	APRIL	22 11 43	22 11 55
	○	7 6 5	7 14 45
	MAY	22 0 27	21 19 36
	JUNE	20 13 11	20 8 58
	JULY	20 1 55	19 14 3
	AUG.	18 14 39	18 2 39
	SEPT.	17 8 23	16 17 59
	OCT.	16 16 7	16 11 37
	○	31 10 29	31 5 53
	NOV.	15 4 51	15 6 23
	DEC.	14 17 35	15 0 53
1716. A.G. 9 14 7	JAN.	13 6 19	13 17 48
	FEB.	11 19 8	12 8 3
	MAR.	12 7 47	12 19 37
	APRIL	10 20 31	11 4 49
	MAY	10 9 15	10 12 21
	JUNE	8 21 59	8 19 11
	JULY	8 10 43	8 2 25
	AUG.	6 23 27	6 11 7
	SEPT.	5 12 11	4 22 18
	OCT.	5 0 55	4 12 33
	NOV.	3 13 39	3 5 41
	DEC.	3 2 23	3 0 47
1717. F. 9 19 56	JAN.	1 15 8	1 20 20
		31 3 52	31 14 33
	FEB.	...	...
	MAR. ○	1 16 36	2 6 17
		16 10 58	16 5 23
		31 5 20	31 18 56
	APRIL	29 18 4	30 4 44
	MAY	29 6 48	29 12 29
	JUNE	27 19 32	27 19 18
	JULY	27 8 16	27 2 4
	AUG.	25 21 0	25 10 3
	○	9 15 22	9 20 17
	SEPT.	24 9 44	23 20 18
	OCT.	23 22 28	23 9 12
	NOV.	22 11 12	22 1 8
	DEC.	21 23 56	21 19 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1718. E. March. d. h. m. 10 1 44		d. h. m.	d. h. m.
	JAN.	20 12 41	20 14 46
	FEB.	19 1 25	19 9 33
	○	5 19 47	5 18 15
	MAR.	20 14 9	21 2 19
	APRIL	19 2 53	19 16 13
	MAY	18 15 37	19 3 12
	JUNE	17 4 21	17 11 53
	JULY	16 17 5	16 19 52
	AUG.	15 5 49	15 2 27
	○	30 0 11	29 22 33
	SEPT.	13 18 33	13 10 27
	OCT.	13 7 17	12 20 8
	NOV.	11 20 1	11 8 3
	DEC.	11 8 45	10 22 26
1719. D. 10 7 33	JAN.	9 21 29	9 15 1
	FEB.	8 10 13	8 8 59
	○	23 4 35	23 10 24
	MAR.	9 22 57	10 3 10
	APRIL	8 11 41	8 20 16
	MAY	8 0 25	8 11 18
	JUNE	6 13 9	6 23 49
	JULY	6 1 53	6 10 7
	AUG.	4 14 37	4 18 53
	○	19 8 59	18 23 3
	SEPT.	3 3 21	3 3 9
	OCT.	2 16 5	2 11 40
			31 21 32
	NOV.	1 4 49	
		30 17 33	30 8 46
	DEC.	30 6 17	29 21 37
1720. C.B. 9 13 22	JAN.	28 19 2	28 12 4
	FEB.	27 7 46	27 3 50
	MAR.	27 20 30	27 20 21
	APRIL	26 9 14	26 12 52
	MAY	25 21 58	26 4 29
	JUNE	24 10 42	24 18 34
	JULY	23 23 26	24 6 53
	AUG.	22 12 10	22 17 44
	SEPT.	21 0 54	21 3 44
	OCT.	20 13 38	20 13 37
	NOV.	19 2 22	18 23 53
	DEC.	18 15 6	18 10 46

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1721.		d. h. m.	d. h. m.
A.	○	2 9 28	2 17 24
	JAN.	17 3 51	16 22 21
March. d. h. m. 9 19 11	FEB.	15 16 35	15 10 40
	MAR.	17 5 19	16 23 52
	APRIL	15 18 8	15 14 8
	MAY	15 6 47	15 5 4
	JUNE	13 19 31	13 20 29
	○	28 13 53	28 10 43
	JULY	13 8 15	13 11 41
	AUG.	11 20 59	12 2 5
	SEPT.	10 9 43	10 15 24
	OCT.	9 22 27	10 3 42
	NOV.	8 11 11	8 15 19
	DEC.	7 23 55	8 2 31
	○	22 18 17	22 16 55
1722. G.	JAN.	6 12 39	6 13 23
	FEB.	5 1 23	4 23 59
10 1 0	MAR.	6 14 7	6 10 29
	APRIL	5 2 51	4 21 16
	MAY	4 15 35	4 8 55
	JUNE	3 4 19	2 21 53
	○	17 22 41	18 3 57
	JULY	2 17 3	2 12 20
	AUG.	1 5 47	1 3 52
		30 18 31	30 19 53
	SEPT.	29 7 15	29 11 37
	OCT.	28 19 59	29 2 31
	NOV.	27 8 43	27 16 16
	○	12 3 5	11 17 47
	DEC.	26 21 27	27 4 44
1723. F.	JAN.	25 10 12	25 15 57
	FEB.	23 22 56	24 1 57
10 6 49	MAR.	25 11 40	25 11 5
	APRIL	24 0 24	23 19 57
	MAY	23 18 8	23 5 20
	JUNE	22 1 52	21 16 10
	JULY	21 14 36	21 5 8
	AUG.	20 3 20	19 20 10
	SEPT.	18 16 4	18 12 59
	OCT.	18 4 48	18 6 36
	NOV.	16 17 32	16 23 54
	DEC.	16 6 16	16 15 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1724. E.D.		d. h. m.	d. h. m.
March. d. h. m. 9 12 37	JAN.	14 19 0	15 5 55
	FEB.	13 7 44	13 17 46
	MAR.	13 20 29	14 3 38
	APRIL	12 9 13	12 11 58
	○	27 3 35	27 10 24
	MAY	11 21 57	11 19 31
	JUNE	10 10 41	10 3 16
	JULY	9 23 25	9 12 17
	AUG.	8 12 9	7 23 32
	SEPT.	7 0 53	6 13 34
	OCT.	6 13 37	6 6 17
	○	21 7 59	21 5 15
	NOV.	5 2 21	5 0 49
	DEC.	4 15 5	4 19 48
1725. C.	JAN.	3 3 50	3 13 44
	FEB.	1 16 34	2 5 25
9 18 26	MAR.	3 5 17	3 18 15
	APRIL	1 18 1	2 4 28
	○	16 12 23	16 10 48
	MAY	1 6 45	1 12 35
		30 19 29	30 19 33
	JUNE	29 8 13	29 2 22
	JULY	28 20 57	23 10 12
	AUG.	27 9 41	26 20 5
	SEPT.	25 22 25	25 8 50
	○	10 16 47	10 20 35
	OCT.	25 11 9	25 0 41
	NOV.	23 23 53	23 19 2
	DEC.	23 12 37	23 14 36
1726. B.	JAN.	22 1 22	22 9 42
	FEB.	20 14 6	21 2 46
10 0 15	MAR.	22 2 50	22 16 53
	○	5 21 12	5 15 23
	APRIL	20 15 34	21 3 56
	MAY	20 4 18	20 12 32
	JUNE	18 17 2	18 19 37
	JULY	18 5 46	18 2 18
	AUG.	16 18 30	16 9 41
	SEPT.	15 7 14	14 18 46
	○	30 1 36	30 7 7
	OCT.	14 19 58	14 6 22
	NOV.	13 8 42	12 20 55
	DEC.	12 21 26	12 14 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1727.		d. h. m.	d. h. m.
A. March. d. h. m. 10 6 4	JAN.	11 10 11	11 9 8
	FEB.	9 22 55	10 4 12
	MAR.	11 11 39	11 21 59
	APRIL	10 0 23	10 13 16
	MAY	9 13 7	10 1 38
	JUNE	8 1 51	8 11 23
	JULY	7 14 35	7 19 21
	AUG.	6 8 19	6 2 36
	SEPT.	4 16 3	4 10 15
	OCT.	4 4 47	3 19 11
	NOV.	2 17 31	2 6 2
	DEC.	2 6 15 31 18 59	1 19 12 31 10 40
1728. G.F. 9 11 58	JAN.	30 7 43	30 3 53
	○	14 2 5	14 9 44
	FEB.	28 20 27	28 21 53
	MAR.	29 9 11	29 15 28
	APRIL	27 21 55	28 7 31
	MAY	27 10 39	27 21 17
	JUNE	25 23 23	26 8 43
	JULY	25 12 7	25 18 18
	○	9 6 29	8 19 11
	AUG.	24 0 51	24 2 54
	SEPT.	22 13 35	22 11 28
	OCT.	22 2 19	21 20 43
	NOV.	20 15 3	20 7 21
	DEC.	20 3 47	19 19 22
1729. E. 9 17 42	JAN.	18 16 32	18 8 54
	○	2 10 54	2 23 19
	FEB.	17 5 16	16 23 48
	MAR.	18 18 0	18 15 44
	APRIL	17 6 44	17 8 6
	MAY	16 19 28	17 0 8
	JUNE	15 8 12	15 14 52
	JULY	14 20 56	15 4 22
	○	29 15 18	29 3 14
	AUG.	13 9 40	13 16 6
	SEPT.	11 22 24	12 2 43
	OCT.	11 11 8	11 12 51
	NOV.	9 23 52	9 23 5
	DEC.	9 12 36	9 9 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1730.		d. h. m.	d. h. m.
D. March. d. h. m. 9 23 30	JAN.	8 1 20	7 20 55
	○	22 19 42	23 6 18
	FEB.	6 14 4	6 8 38
	MAR.	8 2 48	7 21 6
	APRIL	6 15 32	6 10 28
	MAY	6 4 16	6 0 50
	JUNE	4 17 0	4 15 59
	JULY	4 5 44	4 7 22
	○	19 0 6	18 17 53
	AUG.	2 18 28	2 22 22
	SEPT.	1 7 12 30 19 56	1 12 29 1 1 35
	OCT.	30 8 40	30 13 47
	NOV.	28 21 24	29 1 23
	DEC.	28 10 8	28 12 28
1731. C. 10 5 19	JAN.	26 22 53	26 23 7
	FEB.	25 11 37	25 9 27
	MAR.	27 0 21	26 19 45
	APRIL	25 13 5	25 6 36
	MAY	25 1 49	24. 18 37
	○	8 20 11	9 3 56
	JUNE	23 14 33	23 8 12
	JULY	23 3 17	22 23 16
	AUG.	21 16 1	21 15 17
	SEPT.	20 4 45	20 7 29
	OCT.	19 17 29	19 23 10
	NOV.	18 6 13	18 13 47
	○	3 0 35	2 13 45
	DEC.	17 18 57	18 3 4
1732. B.A. 9 11 8	JAN.	16 7 42	16 14 55
	FEB.	14 20 26	15 1 24
	MAR.	15 9 10	15 10 45
	APRIL	13 21 54	13 19 24
	MAY	13 10 33	13 4 12
	○	28 5 0	28 16 20
	JUNE	11 23 22	11 14 1
	JULY	11 12 6	11 1 43
	AUG.	10 0 50	9 15 45
	SEPT.	8 13 34	8 7 57
	OCT.	8 2 18	8 1 29
	NOV.	6 15 2	6 19 19
	○	21 9 24	20 23 39
	DEC.	6 3 46	6 12 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1733. G. March. d. h. m. 9 16 57	JAN. .	4 16 30	5 8 28
	FEB. .	3 5 14	3 16 24
	MAR. .	4 17 58	5 3 6
	APRIL	3 6 42	3 11 57
	MAY .	2 19 26	2 19 37
	○	17 13 48	17 21 25
	JUNE .	1 8 10	1 2 59
		30 20 54	30 11 7
	JULY .	30 9 38	29 21 6
	AUG. .	28 22 22	28 9 45
	SEPT. .	27 11 6	27 1 17
	OCT. .	26 23 50	26 19 12
	○	10 18 12	10 14 38
	NOV. .	25 12 31	25 14 18
	DEC. .	25 1 18	25 9 2
1734. F. 9 22 46	JAN. .	23 14 3	24 2 1
	FEB. .	22 2 47	22 16 16
	MAR. .	23 15 31	24 3 40
	APRIL	22 4 15	22 12 36
	MAY .	21 16 59	21 19 55
	JUNE .	20 5 43	20 2 37
	JULY .	19 18 27	19 9 47
	AUG. .	18 7 11	17 18 34
	SEPT. .	16 19 55	16 5 53
	OCT. .	16 8 39	15 20 16
	NOV. .	14 21 23	14 13 34
	DEC. .	14 10 7	14 8 45
1735. E. 10 4 35	JAN. .	12 22 51	13 4 17
	FEB. .	11 11 36	11 22 29
	MAR. .	13 0 20	13 14 5
	○	27 18 42	27 13 8
	APRIL	11 13 4	12 2 33
	MAY .	11 1 48	11 12 13
	JUNE .	9 14 32	9 19 55
	JULY .	9 8 16	9 2 40
	AUG. .	7 16 0	7 9 39
	SEPT. .	6 4 44	5 17 53
	○	20 23 6	21 3 43
	OCT. .	5 17 28	5 4 16
	NOV. .	4 6 12	3 17 23
	DEC. .	3 18 56	3 9 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1736. D.C. March. d. h. m. 9 10 23	JAN. .	2 7 40	2 3 23
		31 20 24	31 22 34
	FEB. .	...	...
	MAR. ○	1 9 8	1 17 3
		16 3 30	16 2 28
		30 21 52	31 9 36
	APRIL	29 10 36	29 23 23
	MAY .	28 23 20	29 10 21
	JUNE .	27 12 4	27 19 9
	JULY .	27 0 48	27 2 45
	AUG. .	25 13 32	25 10 14
	○	9 7 54	9 5 32
	SEPT. .	24 2 16	23 18 36
	OCT. .	23 15 0	23 4 33
	NOV. .	22 3 44	21 16 36
	DEC. .	21 16 28	21 6 53
1737. B. 9 16 11	JAN. .	20 5 13	19 23 9
	FEB. .	18 17 57	18 16 41
	○	5 12 19	5 18 50
	MAR. .	20 6 41	20 10 24
	APRIL	18 19 25	19 3 11
	MAY .	18 8 9	18 18 5
	JUNE .	16 20 53	17 6 43
	JULY .	16 9 37	16 17 17
	AUG. .	14 22 21	15 2 26
	○	29 16 43	29 6 2
	SEPT. .	13 11 5	13 11 10
	OCT. .	12 23 49	12 20 15
	NOV. .	11 12 33	11 6 17
	DEC. .	11 1 17	10 17 36
1738. A. 9 22 0	JAN. .	9 14 1	9 6 16
	FEB. .	8 2 45	7 20 16
	MAR. .	9 15 30	9 11 28
	APRIL	8 4 14	8 3 25
	MAY .	7 16 58	7 19 32
	JUNE .	6 5 42	6 11 1
	JULY .	5 18 26	6 1 16
	AUG. .	4 7 10	4 13 58
	SEPT. .	2 19 54	3 1 19
	OCT. .	2 3 38	2 11 53
		31 21 22	31 22 16
	NOV. .	30 10 6	30 8 49
	DEC. .	29 22 50	29 19 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1739.		d. h. m.	d. h. m.
G. March. d. h. m. 10 8 49	○	13 17 12	14 1 28
	JAN.	28 11 34	28 7 2
	FEB.	27 0 18	26 18 51
	MAR.	28 13 2	28 7 27
	APRIL	27 1 46	26 21 1
	MAY	26 14 30	26 11 38
	JUNE	25 8 14	25 2 55
	○	9 21 36	9 18 9
	JULY	24 15 58	24 18 16
	AUG.	23 4 42	23 9 5
	SEPT.	21 17 26	21 22 59
	OCT.	21 6 10	21 11 55
	NOV.	19 18 54	20 0 1
	DEC.	19 7 38	19 11 27
1740. F.E. 9 9 33	○	3 2 0	3 0 53
	JAN.	17 20 22	17 22 16
	FEB.	16 9 6	16 8 35
	MAR.	16 21 51	16 18 37
	APRIL	15 10 35	15 4 51
	MAY	14 23 19	14 15 57
	JUNE	13 12 3	13 4 34
	○	28 6 25	28 11 19
	JULY	13 0 47	12 18 50
	AUG.	11 13 31	11 10 33
	SEPT.	10 2 15	10 2 58
	OCT.	9 14 59	9 19 16
	NOV.	8 3 43	8 10 45
	DEC.	7 16 27	8 0 55
	○	22 10 49	22 2 5
1741. D. 9 15 27	JAN.	6 5 11	6 13 35
	FEB.	4 17 55	5 0 40
	MAR.	6 6 40	6 10 23
	APRIL	4 19 24	4 19 8
	MAY	4 8 8	4 3 29
	JUNE	2 20 52	2 12 29
	JULY	2 9 36	1 23 2
		31 22 20	31 11 51
	AUG.	30 11 4	30 3 4
	SEPT.	28 23 48	28 20 13
	OCT.	28 12 32	28 14 18
	NOV.	27 1 16	27 8 3
	DEC.	26 14 0	27 0 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1742.		d. h. m.	d. h. m.
C. March. d. h. m. 9 21 16	JAN.	25 2 44	25 14 29
	FEB.	23 15 28	24 2 13
	MAR.	25 4 12	25 11 47
	APRIL	23 16 56	23 19 46
	○	8 11 18	8 17 5
	MAY	23 5 40	23 3 1
	JUNE	21 18 24	21 10 31
	JULY	21 7 8	20 19 25
	AUG.	19 19 52	19 6 40
	SEPT.	18 8 36	17 20 50
	OCT.	17 21 20	17 13 47
	○	1 15 42	1 13 54
	NOV.	16 10 4	16 8 36
	DEC.	15 22 48	16 3 51
1743. B. 10 3 4	JAN.	14 11 33	14 21 56
	FEB.	13 0 17	13 13 36
	MAR.	14 13 1	15 2 19
	APRIL	13 1 45	13 12 18
	○	27 20 7	27 17 38
	MAY	12 14 29	12 20 12
	JUNE	11 3 13	11 3 0
	JULY	10 15 57	10 9 47
	AUG.	9 4 41	8 17 40
	SEPT.	7 17 25	7 3 41
	OCT.	7 6 9	6 16 35
	○	22 0 31	22 4 57
	NOV.	5 18 53	5 8 33
	DEC.	5 7 37	5 3 1
1744. A.G. 9 8 53	JAN.	3 20 21	3 22 34
	FEB.	2 9 5	2 17 35
	MAR.	2 21 49	3 10 30
		1 10 33	2 0 28
	APRIL ○	16 4 55	15 22 47
		30 23 17	
	MAY	30 12 1	1 11 25 / 30 19 56
	JUNE	29 0 45	29 8 1
	JULY	28 13 29	28 9 51
	AUG.	27 2 13	26 17 26
	SEPT.	25 14 57	25 2 46
	○	10 9 19	10 14 55
	OCT.	25 3 41	24 14 34
	NOV.	23 16 25	23 5 8
	DEC.	23 5 9	22 22 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1745. F. March. d. h. m. 9 14 42	JAN.	21 17 54	21 16 56
	FEB.	20 6 38	20 11 45
	MAR.	21 19 22	22 5 18
	APRIL	20 8 6	20 20 25
	MAY	19 20 50	20 8 45
	JUNE	18 9 34	18 18 34
	JULY	17 22 18	18 2 43
	AUG.	16 11 2	16 10 19
	SEPT.	14 23 46	14 18 18
	OCT.	14 12 30	14 3 33
	NOV.	13 1 14	12 14 37
	DEC.	12 13 58	12 3 45
1746. E. 9 20 31	JAN.	11 2 43	10 18 58
	FEB.	9 15 27	9 11 45
	○	24 9 49	24 18 16
	MAR.	11 4 11	11 5 16
	APRIL	9 16 55	9 22 27
	MAY	9 5 39	9 14 17
	JUNE	7 18 23	8 4 5
	JULY	7 7 7	7 15 44
	AUG.	5 19 51	6 1 40
	○	20 14 13	20 2 12
	SEPT.	4 8 35	4 10 45
	OCT.	3 21 19	3 19 47
	NOV.	2 10 3	2 5 28
	DEC.	1 22 47	1 16 12
		31 11 31	31 4 8
1747. D. 10 2 20	JAN.	30 0 15	29 17 18
	○	13 18 37	14 7 40
	FEB.	28 12 59	28 7 39
	MAR.	30 1 43	29 22 59
	APRIL	28 14 27	28 14 51
	MAY	28 3 11	28 6 38
	JUNE	26 15 55	26 21 36
	JULY	26 4 39	26 11 14
	○	9 23 1	9 10 33
	AUG.	24 17 23	24 23 47
	SEPT.	23 6 7	23 10 38
	OCT.	22 18 51	22 21 18
	NOV.	21 7 35	21 7 54
	DEC.	20 20 19	20 18 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1748. C.B. March. d. h. m. 9 8 9	JAN.	19 9 4	19 5 43
	○	3 3 26	3 14 19
	FEB.	17 21 48	17 17 4
	MAR.	18 10 32	18 4 57
	APRIL	16 23 16	16 17 43
	MAY	16 12 0	16 7 34
	JUNE	15 0 44	14 22 23
	JULY	14 13 28	14 13 53
	○	29 7 50	29 1 25
	AUG.	13 2 12	13 5 12
	SEPT.	11 14 56	11 19 51
	OCT.	11 3 40	11 9 35
	NOV.	9 16 24	9 22 21
	DEC.	9 5 8	9 10 15
1749. A. 9 13 57	JAN.	7 17 53	7 21 25
	FEB.	6 6 37	6 7 52
	MAR.	7 19 21	7 17 47
	APRIL	6 8 5	6 3 33
	MAY	5 20 49	5 13 52
	JUNE	4 9 33	4 1 27
	○	19 3 55	19 11 15
	JULY	3 22 17	3 14 47
	AUG.	2 11 1	2 5 52
		31 23 45	31 22 11
	SEPT.	30 12 29	30 14 53
	OCT.	30 1 13	30 7 9
	NOV.	28 13 57	28 22 16
	○	13 8 19	12 22 10
	DEC.	28 2 41	28 11 50
1750. G. 9 19 46	JAN.	26 15 25	26 23 42
	FEB.	25 4 9	25 9 56
	MAR.	26 16 53	26 18 53
	APRIL	25 5 37	25 3 7
	MAY	24 18 21	24 11 29
	○	8 12 43	8 23 16
	JUNE	23 7 5	22 21 0
	JULY	22 19 49	22 8 33
	AUG.	21 8 33	20 22 37
	SEPT.	19 21 17	19 15 1
	OCT.	19 10 1	19 8 59
	NOV.	17 22 45	18 3 17
	○	2 17 7	2 8 24
	DEC.	17 11 29	17 20 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1751.		d. h. m.	d. h. m.
F. March. d. h. m. 10 1 85	JAN. .	16 0 14	16 11 59
	FEB. .	14 12 58	15 0 53
	MAR. .	16 1 42	16 11 21
	APRIL	14 14 26	14 19 58
	MAY .	14 8 10	14 8 12
	○	28 21 32	29 4 2
	JUNE .	12 15 54	12 10 21
	JULY .	12 4 38	11 18 21
	AUG. .	10 17 22	10 4 19
	SEPT. .	9 6 6	8 17 2
	OCT. .	8 18 50	8 8 44
	NOV. .	7 7 34	7 2 55
	○	22 1 56	21 22 29
	DEC. .	6 20 18	6 22 17
1752. E.D. 9 7 24	JAN. .	5 9 3	5 17 11
	FEB. .	3 21 47	4 10 11
	MAR. .	4 10 31	5 0 20
	APRIL	2 23 15	3 11 32
	MAY .	2 11 59	2 20 17
	JUNE .	1 0 43	1 3 25
		30 13 27	30 10 2
	JULY .	30 2 11	29 17 16
	AUG. .	28 14 55	28 2 10
	SEPT. .	27 3 39	26 13 38
	OCT. .	26 16 23	26 4 10
	NOV. .	25 5 7	24 21 33
	DEC. .	24 17 51	24 16 44
1753. C. 9 13 13	JAN. .	23 6 35	23 12 11
	FEB. .	21 19 19	22 6 14
	MAR. .	23 8 8	23 21 39
	○	7 2 25	6 20 46
	APRIL	21 20 47	22 10 0
	MAY .	21 9 31	21 19 35
	JUNE .	19 22 15	20 3 17
	JULY .	19 10 59	19 10 10
	AUG. .	17 23 43	17 17 22
	SEPT. .	16 12 27	16 1 51
	○	1 6 49	1 11 15
	OCT. .	16 1 11	15 12 27
	NOV. .	14 13 55	14 1 40
	DEC. .	14 2 39	13 17 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1754.		d. h. m.	d. h. m.
B. March. d. h. m. 9 19 2	JAN. .	12 15 24	12 11 30
	FEB. .	11 4 8	11 6 16
	MAR. .	12 16 52	13 0 26
	○	27 11 14	27 10 34
	APRIL	11 5 36	11 16 45
	MAY .	10 18 20	11 6 27
	JUNE .	9 7 4	9 17 28
	JULY .	8 19 48	9 2 27
	AUG. .	7 8 32	7 10 20
	SEPT. .	5 21 16	5 18 12
	○	20 15 38	20 12 39
	OCT. .	5 10 0	5 2 54
	NOV. .	3 22 44	3 13 7
	DEC. .	3 11 28	3 1 15
1755. A. 10 0 50	JAN. .	2 0 12	1 15 22
		31 12 56	31 7 13
	FEB. .	...	...
	MAR. ○	2 1 40	2 0 14
		16 20 2	17 3 7
		31 14 24	31 17 28
	APRIL	30 3 8	30 9 58
	MAY .	29 15 52	30 0 47
	JUNE .	28 4 36	28 13 34
	JULY .	27 17 20	28 0 29
	AUG. .	26 6 4	26 10 6
	○	10 0 26	9 13 9
	SEPT. .	24 18 48	24 19 18
	OCT. .	24 7 32	24 4 46
	NOV. .	22 20 16	22 15 5
	DEC. .	22 9 0	22 2 26
1756. G.F. 9 6 39	JAN. .	20 21 45	20 14 52
	FEB. .	19 10 29	19 4 23
	MAR. .	19 23 13	19 18 56
	APRIL	18 11 57	18 10 20
	MAY .	18 0 41	18 2 6
	JUNE .	16 13 25	16 17 30
	JULY .	16 2 9	16 7 56
	AUG. .	14 14 53	14 21 5
	SEPT. .	13 3 37	13 9 1
	OCT. .	12 16 21	12 20 9
	NOV. .	11 5 5	11 6 58
	DEC. .	10 17 49	10 17 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1757. E. March. d. h. m. 9 12 28		d. h. m.	d. h. m.
	JAN.	9 6 34	9 4 39
	○	24 0 56	24 9 27
	FEB.	7 19 18	7 15 39
	MAR.	9 8 2	9 2 57
	APRIL	7 20 46	7 14 57
	MAY	7 9 30	7 3 57
	JUNE	5 22 14	5 18 11
	JULY	5 10 58	5 9 21
	○	20 5 20	20 1 40
	AUG.	3 23 42	4 0 56
	SEPT.	2 12 26	2 16 13
	OCT.	2 1 10	2 6 43
		31 13 54	31 20 15
	NOV.	30 2 38	30 3 47
	DEC.	29 15 22	29 20 24
1758. D. 9 18 17	⊙	13 9 44	13 8 49
	JAN.	28 4 6	28 7 8
	FEB.	26 16 50	26 17 5
	MAR.	28 5 34	28 2 37
	APRIL	26 18 18	26 12 18
	MAY	26 7 2	25 22 57
	JUNE	24 19 46	24 11 12
	○	9 14 8	9 18 42
	JULY	24 8 30	24 1 25
	AUG.	22 21 14	22 17 18
	SEPT.	21 9 58	21 10 8
	OCT.	20 22 42	21 3 0
	NOV.	19 11 26	19 19 2
	DEC.	19 0 10	19 9 35
1759. C. 10 0 6	○	2 18 32	2 10 22
	JAN.	17 12 55	17 22 22
	FEB.	16 1 39	16 9 18
	MAR.	17 14 23	17 18 41
	APRIL	16 3 7	16 2 57
	MAY	15 15 51	15 10 56
	JUNE	14 4 35	13 19 37
	JULY	13 17 19	13 5 57
	AUG.	12 6 3	11 18 43
	SEPT.	10 18 47	10 10 6
	OCT.	10 7 31	10 3 35
	NOV.	8 20 15	8 22 5
	DEC.	8 8 59	8 16 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1760. B.A. March. d. h. m. 9 5 55		d. h. m.	d. h. m.
	JAN.	6 21 44	7 8 49
	FEB.	5 10 28	5 22 59
	MAR.	5 23 12	6 10 32
	APRIL	4 11 56	4 19 48
	MAY	4 0 40	4 3 28
	○	18 19 2	18 23 41
	JUNE	2 13 24	2 10 28
	JULY	2 2 8	1 17 49
		31 14 52	31 2 39
	AUG.	30 3 36	29 13 58
	SEPT.	28 16 20	28 4 17
	OCT.	28 5 4	27 21 26
	○	11 23 26	11 22 40
	NOV.	26 17 48	26 16 30
	DEC.	26 6 32	26 11 54
1761. G. 9 11 43	JAN.	24 19 16	25 6 2
	FEB.	23 8 0	23 21 38
	MAR.	24 20 44	25 10 13
	APRIL	23 9 28	23 19 59
	○	8 3 50	8 0 23
	MAY	22 22 12	23 3 43
	JUNE	21 10 56	21 10 26
	JULY	20 23 40	20 17 15
	AUG.	19 12 24	19 1 14
	SEPT.	18 1 8	17 11 25
	OCT.	17 13 52	17 0 23
	○	1 8 14	1 13 24
	NOV.	16 2 36	15 16 32
	DEC.	15 15 20	15 10 59
1762. F. 9 17 32	JAN.	14 4 5	14 6 29
	FEB.	12 16 49	13 1 21
	MAR.	14 5 33	14 18 6
	APRIL	12 18 17	13 7 55
	○	27 12 39	27 6 5
	MAY	12 7 1	12 18 46
	JUNE	10 19 45	11 3 17
	JULY	10 8 29	10 10 29
	AUG.	8 21 13	8 17 30
	SEPT.	7 9 57	7 1 21
	OCT.	6 22 41	6 10 56
	○	21 17 3	21 22 50
	NOV.	5 11 25	4 22 54
	DEC.	5 0 9	4 13 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1763. E. March. d. h. m. 9 23 21	JAN.	3 12 54	3 6 25
	FEB.	2 1 38	2 0 46
	MAR.	3 14 22	3 19 14
	APRIL	2 3 6	2 12 27
	MAY	1 15 50	2 3 26
		31 4 34	31 15 47
	JUNE	29 17 18	30 1 45
	JULY	29 6 2	29 10 12
	AUG.	27 18 46	27 18 8
	SEPT.	26 7 30	26 2 31
	OCT.	25 20 14	25 12 4
	NOV.	24 8 58	23 23 17
	DEC.	23 21 42	23 12 22
1764. D.C. 9 5 10	JAN.	22 10 26	22 3 14
	FEB.	20 23 10	20 19 31
	○	6 17 32	7 2 38
	MAR.	21 11 54	21 12 30
	APRIL	20 0 38	20 5 17
	MAY	19 13 22	19 20 57
	JUNE	18 2 6	18 10 50
	JULY	17 14 50	17 22 45
	AUG.	16 3 34	16 9 7
	○	30 21 56	30 9 19
	SEPT.	14 16 18	14 18 41
	OCT.	14 5 2	14 4 11
	NOV.	12 17 46	12 14 14
	DEC.	12 6 30	12 1 5
1765. B. 9 10 59	JAN.	10 19 15	10 12 54
	FEB.	9 7 59	9 1 33
	○	24 2 21	24 15 52
	MAR.	10 20 43	10 15 24
	APRIL	9 9 27	9 6 8
	MAY	8 22 11	8 21 33
	JUNE	7 10 55	7 13 6
	JULY	6 23 39	7 4 10
	AUG.	5 12 23	5 18 9
	○	20 6 45	19 18 2
	SEPT.	4 1 7	4 6 56
	OCT.	3 13 51	3 18 43
	NOV.	2 2 35	2 5 53
	DEC.	1 15 19	1 16 49
		31 4 8	31 3 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1766. A. March. d. h. m. 9 16 48	JAN.	29 16 48	29 14 30
	○	13 11 10	13 22 12
	FEB.	28 5 32	28 1 23
	MAR.	29 18 16	29 12 41
	APRIL	28 7 0	28 0 51
	MAY	27 19 44	27 14 15
	JUNE	26 8 28	26 4 55
	JULY	25 21 12	25 20 25
	○	9 15 34	9 9 3
	AUG.	24 9 56	24 12 6
	SEPT.	22 22 40	23 3 20
	OCT.	22 11 24	22 17 40
	NOV.	21 0 8	21 6 57
	DEC.	20 12 52	20 19 10
1767. G. 9 22 36	JAN.	19 1 36	19 6 19
	FEB.	17 14 20	17 16 30
	MAR.	19 3 4	19 1 58
	APRIL	17 15 48	17 11 13
	MAY	17 4 32	16 21 2
	JUNE	15 17 16	15 8 14
	JULY	15 6 0	14 21 24
	AUG.	13 18 44	13 12 32
	SEPT.	12 7 28	12 5 10
	OCT.	11 20 12	11 22 24
	NOV.	10 8 56	10 15 13
	DEC.	9 21 40	10 6 46
	○	24 16 2	24 6 36
1768. F.E. 9 4 25	JAN.	8 10 25	8 20 35
	FEB.	6 23 9	7 8 23
	MAR.	7 11 53	7 18 21
	APRIL	6 0 37	6 2 54
	MAY	5 13 21	5 10 44
	JUNE	4 2 5	3 18 45
	○	18 20 27	19 6 11
	JULY	3 14 49	3 4 2
	AUG.	2 3 33	1 15 29
		31 16 17	31 5 37
	SEPT.	30 5 1	29 22 18
	OCT.	29 17 45	29 16 38
	NOV.	28 6 29	28 11 19
	○	13 0 51	12 17 14
	DEC.	27 19 13	23 4 56

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1769.		d. h. m.	d. h. m.
D. March. d. h. m. 9 10 14	JAN.	26 7 58	26 20 25
	FEB.	24 20 42	25 9 13
	MAR.	26 9 26	26 19 27
	APRIL	24 22 10	25 4 10
	MAY	24 10 54	24 10 45
	○	8 5 16	8 10 33
	JUNE	22 23 38	22 17 43
	JULY	22 12 22	21 23 39
	AUG.	21 1 6	20 11 38
	SEPT.	19 13 50	19 0 29
	OCT.	19 2 34	18 16 23
	NOV.	17 15 18	17 10 44
	○	2 9 40	2 8 25
	DEC.	17 4 2	17 6 16
1770. C. 9 16 3	JAN.	15 16 46	16 1 15
	FEB.	14 5 30	14 18 12
	MAR.	15 18 14	16 8 13
	APRIL	14 6 58	14 19 15
	MAY	13 19 42	14 3 48
	JUNE	12 8 26	12 10 52
	JULY	11 21 10	11 17 30
	AUG.	10 9 54	10 0 50
	SEPT.	8 22 38	8 9 58
	OCT.	8 11 22	7 21 32
	NOV.	7 0 6	6 12 12
	DEC.	6 12 50	6 5 35
1771. B. 9 21 52	JAN.	5 1 35	5 0 42
	FEB.	3 14 19	3 19 59
	MAR.	5 3 3	5 13 50
	APRIL	3 15 47	4 5 6
	○	18 10 9	18 4 19
	MAY	3 4 31	3 17 20
	JUNE	1 17 15	2 2 54
	JULY	1 5 59	1 10 40
		30 18 43	30 17 45
	AUG.	29 7 27	29 1 12
	SEPT.	27 20 11	27 9 57
	○	12 14 33	12 18 56
	OCT.	27 8 56	26 20 48
	NOV.	25 21 40	25 10 7
	DEC.	25 10 24	25 1 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1772.		d. h. m.	d. h. m.
A.G. March. d. h. m. 9 8 41	JAN.	23 23 8	23 19 28
	FEB.	22 11 52	22 13 50
	MAR.	23 0 35	23 7 39
	○	6 18 57	6 18 32
	APRIL	21 13 19	21 23 45
	MAY	21 2 3	21 13 22
	JUNE	19 14 47	20 0 31
	JULY	19 3 31	19 9 45
	AUG.	17 16 15	17 18 0
	SEPT.	16 4 59	16 2 15
	○	30 23 21	30 19 54
	OCT.	15 17 43	15 11 19
	NOV.	14 6 27	13 21 48
	DEC.	13 19 11	13 9 57
1773. F. 9 9 29	JAN.	12 7 56	11 23 49
	FEB.	10 20 40	10 15 13
	MAR.	12 9 24	12 7 40
	○	27 8 46	27 11 14
	APRIL	10 22 8	11 0 27
	MAY	10 10 52	10 16 38
	JUNE	8 23 36	9 7 26
	JULY	8 12 20	8 20 27
	AUG.	7 1 4	7 7 44
	SEPT.	5 13 48	5 17 51
	○	20 8 10	19 20 28
	OCT.	5 2 32	5 3 33
	NOV.	3 15 16	3 13 29
	DEC.	3 4 0	3 0 1
1774. E. 9 15 18	JAN.	1 16 45	1 11 19
		31 5 29	30 23 25
	FEB.	...	...
	MAR.	1 18 13	1 12 23
		31 6 57	31 2 20
	APRIL	29 19 41	29 17 11
	MAY	29 8 25	29 8 37
	JUNE	27 21 9	27 23 59
	JULY	27 9 53	27 14 41
	AUG.	25 22 37	26 4 18
	SEPT.	24 11 21	24 16 51
	OCT.	24 0 5	24 4 33
	NOV.	22 12 49	22 15 46
	DEC.	22 1 33	22 2 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1775. D.	JAN.	20 14 17	20 13 30
March. d. h. m. 9 21 7	○	4 8 39	4 17 19
	FEB.	19 8 1	19 0 8
	MAR.	20 15 45	20 10 54
	APRIL	19 4 29	18 22 17
	MAY	18 17 18	18 10 47
	JUNE	17 5 57	17 0 41
	JULY	16 18 41	16 15 49
	○	31 13 8	31 9 14
	AUG.	15 7 25	15 7 38
	SEPT.	13 20 9	13 23 26
	OCT.	13 8 58	13 14 33
	NOV.	11 21 37	12 4 39
	DEC.	11 10 21	11 17 34
1776. C.B.	JAN.	9 23 6	10 5 19
	○	24 17 28	24 16 41
	FEB.	8 11 50	8 15 53
9 2 56	MAR.	9 0 34	9 1 27
	APRIL	7 13 18	7 10 29
	MAY	7 2 2	6 19 41
	JUNE	5 14 46	5 5 55
	JULY	5 3 30	4 17 55
	○	19 21 52	20 4 8
	AUG.	3 16 14	3 8 5
	SEPT.	2 4 53	2 0 11
	OCT.	1 17 42	1 17 27
		31 6 26	31 10 52
	NOV.	29 19 10	30 3 23
	DEC.	29 7 54	29 18 14
	○	13 2 16	12 18 41
1777. A.	JAN.	27 20 33	28 7 2
	FEB.	26 9 22	26 17 47
9 8 45	MAR.	27 22 6	28 2 48
	APRIL	26 10 50	26 10 43
	MAY	25 23 34	25 18 20
	JUNE	24 12 18	24 2 43
	○	9 6 40	9 15 10
	JULY	24 1 2	23 12 56
	AUG.	22 13 46	22 1 43
	SEPT.	21 2 30	20 17 17
	OCT.	20 15 14	20 11 5
	NOV.	19 3 58	19 5 57
	DEC.	18 16 42	19 0 25

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1778. G. March. d. h. m. 9 14 34	JAN.	17 5 26	17 17 9
	FEB.	15 18 10	16 7 16
	MAR.	17 6 55	17 18 40
	APRIL	15 19 39	16 8 39
	MAY	15 8 23	15 11 5
	JUNE	13 21 7	13 17 53
	JULY	13 9 51	13 1 9
	AUG.	11 22 35	11 10 1
	SEPT.	10 11 19	9 21 24
	OCT.	10 0 3	9 11 52
	NOV.	8 12 47	8 5 13
	○	23 7 9	23 7 30
	DEC.	8 1 31	8 0 24
1779. F. 9 20 22	JAN.	6 14 15	6 19 55
	FEB.	5 2 59	5 14 1
	MAR.	6 15 44	7 5 33
	APRIL	5 4 28	5 17 57
	MAY	4 17 12	5 3 34
	○	19 11 34	19 7 7
	JUNE	3 5 56	3 11 11
	JULY	2 18 40	2 17 55
	AUG.	1 7 24	1 0 48
		30 20 8	30 8 57
	SEPT.	29 8 52	28 19 20
	OCT.	28 21 36	28 8 32
	○	12 15 58	12 21 58
	NOV.	27 10 20	27 0 39
	DEC.	26 23 4	26 19 2
1780. E.D. 9 2 11	JAN.	25 11 49	25 14 20
	FEB.	24 0 33	24 9 0
	MAR.	24 13 17	25 1 33
	APRIL	23 2 1	23 15 13
	○	7 20 23	7 13 20
	MAY	22 14 45	23 2 2
	JUNE	21 3 29	21 10 37
	JULY	20 16 13	20 17 59
	AUG.	19 4 57	19 1 14
	SEPT.	17 17 41	17 9 24
	OCT.	17 6 25	16 19 16
	○	1 0 47	1 6 51
	NOV.	15 19 9	15 7 23
	DEC.	15 7 53	14 21 54

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1781. C. March. d. h. m. 9 8 0		d. h. m.	d. h. m.
	JAN.	13 20 37	13 14 33
	FEB.	12 9 21	12 8 29
	MAR.	13 22 5	14 2 33
	APRIL	12 10 49	12 19 28
	MAY	11 23 33	12 10 19
	JUNE	10 12 17	10 22 43
	JULY	10 1 1	10 8 55
	AUG.	8 13 45	8 17 42
	SEPT.	7 2 29	7 2 3
	OCT.	6 15 13	6 10 50
	NOV.	5 3 57	4 20 43
	DEC.	4 16 41	4 8 3
1782. B. 9 18 49	JAN.	3 5 25	2 20 59
	FEB.	1 18 9	1 11 27
	MAR.	3 6 54	3 3 11
	○	18 1 16	18 10 51
	APRIL	1 19 38	1 19 37
	MAY	1 8 22	1 12 1
		30 21 6	31 3 31
	JUNE	29 9 50	29 17 31
	JULY	28 22 34	29 5 48
	AUG.	27 11 18	27 16 40
	○	11 5 40	10 16 38
	SEPT.	26 0 2	26 2 46
	OCT.	25 12 46	25 12 45
	NOV.	24 1 30	23 23 6
	DEC.	23 14 14	23 10 3
1783. A. 9 19 38	JAN.	22 2 59	21 21 37
	FEB.	20 15 43	20 9 53
	○	7 10 5	7 23 55
	MAR.	22 4 26	21 23 2
	APRIL	20 17 10	20 13 9
	MAY	20 5 54	20 4 9
	JUNE	18 18 38	18 19 32
	JULY	18 7 22	18 10 43
	AUG.	16 20 6	17 1 8
	○	31 14 28	31 1 37
	SEPT.	15 8 50	15 14 28
	OCT.	14 21 34	15 2 51
	NOV.	13 10 18	13 14 32
	DEC.	12 23 2	13 1 45

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1784. G.F. March. d. h. m. 9 1 27		d. h. m.	d. h. m.
	JAN.	11 11 47	11 12 38
	FEB.	10 0 31	9 23 9
	○	24 18 53	25 5 56
	MAR.	10 13 15	10 9 33
	APRIL	9 1 59	8 20 16
	MAY	8 14 43	8 7 53
	JUNE	7 3 27	6 20 54
	JULY	6 16 11	6 11 23
	AUG.	5 4 55	5 3 1
	○	19 23 17	19 16 46
	SEPT.	3 17 39	3 19 6
	OCT.	3 6 23	3 10 54
	NOV.	1 19 7	2 1 51
	DEC.	1 7 51	1 15 36
		30 20 35	31 4 2
1785. E. 9 7 15	JAN.	29 9 19	29 15 6
	FEB.	27 22 4	28 1 0
	MAR.	29 10 48	29 10 2
	APRIL	27 23 32	27 18 49
	MAY	27 12 16	27 4 11
	JUNE	26 1 0	25 15 4
	JULY	25 13 44	25 4 6
	AUG.	24 2 28	23 19 21
	SEPT.	22 15 12	22 12 19
	OCT.	22 3 56	22 6 3
	NOV.	20 16 40	20 23 22
	DEC.	20 5 24	20 15 19
1786. D. 9 13 4	○	3 23 46	3 15 4
	JAN.	18 18 8	19 5 13
	FEB.	17 6 52	17 16 55
	MAR.	18 19 36	19 2 35
	APRIL	17 8 20	17 10 47
	MAY	16 21 4	16 18 16
	JUNE	15 9 48	15 2 1
	○	30 4 10	30 13 3
	JULY	14 22 32	14 11 7
	AUG.	13 11 16	12 22 31
	SEPT.	12 0 0	11 12 46
	OCT.	11 12 44	11 5 41
	NOV.	10 1 28	10 0 21
	DEC.	9 14 12	9 19 21
	○	24 8 34	24 2 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1787. C. March. d. h. m. 9 18 58	JAN.	8 2 57	8 13 12
	FEB.	6 15 41	7 4 48
	MAR.	8 4 25	8 17 22
	APRIL	6 17 9	7 3 22
	MAY	6 5 58	6 11 21
	JUNE	4 18 37	4 18 14
	○	19 12 59	19 17 1
	JULY	4 7 21	4 1 5
	AUG.	2 20 5	2 9 1
	SEPT.	1 8 49	31 19 5
		30 21 38	30 8 5
	OCT.	30 10 17	30 0 8
	NOV.	28 23 1	28 18 38
	○	13 17 23	13 17 22
	DEC.	28 11 45	28 14 13
1788. B.A. 9 0 42	JAN.	27 0 30	27 9 13
	FEB.	25 13 14	26 2 5
	MAR.	26 1 58	26 15 58
	APRIL	24 14 42	25 2 50
	MAY	24 3 26	24 11 17
	JUNE	22 16 10	22 18 19
	JULY	22 4 54	22 1 1
	AUG.	20 17 38	20 8 31
	SEPT.	19 6 22	18 17 47
	OCT.	18 19 6	18 5 37
	NOV.	17 7 50	16 20 21
	DEC.	16 20 34	16 13 41
1789. G. 9 6 31	JAN.	15 9 18	15 8 37
	FEB.	13 22 2	14 3 39
	MAR.	15 10 46	15 21 16
	APRIL	13 23 30	14 12 22
	○	28 17 52	28 11 45
	MAY	13 12 14	14 0 32
	JUNE	12 0 58	12 10 9
	JULY	11 13 42	11 18 8
	AUG.	10 2 26	10 1 23
	SEPT.	8 15 10	8 9 8
	OCT.	8 3 54	7 18 14
	○	22 22 16	23 2 42
	NOV.	6 16 38	6 5 16
	DEC.	6 5 22	5 18 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1790. F. March. d. h. m. 9 12 20	JAN.	4 18 7	4 10 10
	FEB.	3 6 51	3 3 22
	MAR.	4 19 35	4 21 17
	APRIL	3 8 19	3 14 45
	○	18 2 41	18 2 23
	MAY	2 21 3	3 6 37
	JUNE	1 9 47	1 20 14
		30 22 31	1 7 34
	JULY	30 11 15	30 17 7
	AUG.	28 23 59	29 1 46
	SEPT.	27 12 43	27 10 28
	○	12 7 5	12 3 18
	OCT.	27 1 27	26 19 55
	NOV.	25 14 11	25 6 36
	DEC.	25 2 55	24 18 42
1791. E. 9 18 8	JAN.	23 15 40	23 8 15
	FEB.	22 4 24	21 23 8
	MAR.	23 17 8	23 15 0
	○	7 11 30	7 19 15
	APRIL	22 5 52	22 7 18
	MAY	21 18 36	21 23 13
	JUNE	20 7 20	20 14 2
	JULY	19 20 4	20 3 19
	AUG.	18 8 48	18 15 4
	SEPT.	16 21 32	17 1 44
	○	1 15 54	1 3 55
	OCT.	16 10 16	16 11 57
	NOV.	14 23 0	14 22 16
	DEC.	14 11 44	14 8 59
1792. D.C. 8 23 57	JAN.	13 0 28	12 20 9
	FEB.	11 13 12	11 7 52
	MAR.	12 1 56	11 20 16
	APRIL	10 14 40	10 9 35
	MAY	10 3 24	9 23 56
	JUNE	8 16 8	8 15 3
	JULY	8 4 52	8 6 27
	AUG.	6 17 36	6 21 28
	SEPT.	5 6 20	5 11 36
	OCT.	4 19 4	5 0 46
	NOV.	3 7 48	3 13 2
	DEC.	2 20 32	3 0 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1793. B.		d. h. m.	d. h. m.
	JAN.	1 9 17	1 11 48
		30 22 1	30 22 18
March. d. h. m. 9 5 46	FEB. ○	14 16 28	15 1 5
	MAR.	1 10 45	1 8 32
		30 23 29	30 18 46
	APRIL	29 12 13	29 5 44
	MAY	29 0 57	28 17 35
	JUNE	27 13 41	27 7 14
	JULY	27 2 25	26 22 22
	○	10 20 47	10 16 53
	AUG.	25 15 9	25 14 29
	SEPT.	24 3 53	24 6 47
	OCT.	23 16 37	23 22 30
	NOV.	22 5 21	22 13 7
	DEC.	21 18 5	22 2 22
1794. A.	JAN.	20 6 50	20 14 9
	○	4 1 12	4 0 32
	FEB.	18 19 34	19 0 31
9 11 35	MAR.	20 8 18	20 9 43
	APRIL	18 21 2	18 18 17
	MAY	18 9 46	18 3 1
	JUNE	16 22 30	16 12 53
	JULY	16 11 14	16 0 42
	○	31 5 36	31 9 36
	AUG.	14 23 58	14 14 52
	SEPT.	13 12 42	13 7 13
	OCT.	13 1 26	13 0 54
	NOV.	11 14 10	11 18 48
	DEC.	11 2 54	11 11 45
1795. G.	JAN.	9 15 33	10 2 50
	○	24 10 0	24 2 56
	FEB.	8 4 22	8 15 36
9 17 24	MAR.	9 17 6	10 2 8
	APRIL	8 5 50	8 10 50
	MAY	7 18 34	7 18 23
	JUNE	6 7 18	6 1 43
	JULY	5 20 2	5 9 54
	○	20 14 24	20 22 13
	AUG.	4 8 46	3 20 3
	SEPT.	2 21 30	2 8 53
	OCT.	2 10 14	2 0 38
		31 22 58	31 18 43
	NOV.	30 11 42	30 13 53
	DEC.	30 0 26	30 8 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1796. F.E.		d. h. m.	d. h. m.
March. d. h. m. 8 23 13	JAN.	28 13 11	29 1 25
	FEB.	27 1 55	27 15 29
	MAR.	27 14 39	28 2 42
	APRIL	26 3 23	26 11 25
	MAY	25 16 7	25 18 38
	JUNE	24 4 51	24 1 18
	JULY	23 17 35	23 8 33
	AUG.	22 6 19	21 17 30
	SEPT.	20 19 3	20 5 2
	OCT.	20 7 47	19 19 38
	NOV.	18 20 31	18 13 7
	○	3 14 53	3 16 25
	DEC.	18 9 15	18 3 23
1797. D.	JAN.	16 22 0	17 3 53
	FEB.	15 10 44	15 21 55
9 5 1	MAR.	16 23 28	17 13 16
	APRIL	15 12 12	16 1 32
	MAY	15 0 56	15 11 2
	○	29 19 18	29 13 46
	JUNE	13 18 40	13 18 37
	JULY	13 2 24	13 1 22
	AUG.	11 15 8	11 8 26
	SEPT.	10 3 52	9 16 49
	OCT.	9 16 36	9 3 25
	NOV.	8 5 20	7 16 45
	○	22 23 42	23 6 36
	DEC.	7 18 4	7 8 50
1798. C.	JAN.	6 6 48	6 3 3
	FEB.	4 19 32	4 22 6
9 10 50	MAR.	6 8 16	6 16 27
	APRIL	4 21 0	5 8 47
	MAY	4 9 44	4 22 22
	○	19 4 6	18 20 30
	JUNE	2 22 23	3 9 11
	JULY	2 11 12	2 17 54
		31 23 56	1 1 30
	AUG.	30 12 40	30 9 6
	SEPT.	29 1 24	28 17 35
	OCT.	28 14 8	28 3 44
	○	12 8 30	12 14 55
	NOV.	27 2 52	26 15 55
	DEC.	26 15 36	26 6 19

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1799. B. March. *d. h. m.* 9 16 39	JAN.	25 4 21	24 22 38
	FEB.	23 17 5	23 15 6
	MAR.	25 5 49	25 9 48
	APRIL	23 18 33	24 2 21
	MAY	23 7 17	23 17 6
	JUNE	21 20 1	22 5 37
	JULY	21 8 45	21 16 7
	AUG.	19 21 29	20 1 19
	SEPT.	18 10 13	18 10 6
	OCT.	17 22 57	17 19 19
	NOV.	16 11 41	16 5 29
	DEC.	16 0 25	15 16 52
1800. A.G. 8 22 28	JAN.	14 18 9	14 5 35
	FEB.	13 1 58	12 19 36
	MAR.	13 14 37	13 10 43
	○	28 8 59	28 18 54
	APRIL	12 8 21	12 2 36
	MAY	11 16 5	11 18 33
	JUNE	10 4 49	10 10 8
	JULY	9 17 33	10 0 14
	AUG.	8 6 17	8 12 56
	SEPT.	6 19 1	7 0 19
	○	21 13 23	21 0 4
	OCT.	6 7 45	6 10 57
	NOV.	4 20 29	4 21 24
	DEC.	4 9 14	4 8 1
1801. F. 9 4 17	JAN.	2 21 58	2 18 58
	FEB.	1 10 42	1 6 14
	MAR.	2 23 26	2 18 1
	○	17 17 48	18 7 48
	APRIL	1 12 10	1 6 33
	MAY	1 0 54	30 20 6
		30 13 38	30 10 42
	JUNE	29 2 22	29 2 0
	JULY	28 15 6	28 17 22
	AUG.	27 3 50	27 8 13
	○	10 22 12	10 9 24
	SEPT.	25 16 34	25 22 10
	OCT.	25 5 18	25 11 8
	NOV.	23 18 2	23 23 16
	DEC.	23 6 46	23 10 42

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1802. E. March. *d. h. m.* 9 10 6	JAN.	21 19 30	21 21 30
	FEB.	20 8 14	20 7 42
	○	7 2 36	7 13 30
	MAR.	21 20 59	21 17 38
	APRIL	20 9 43	20 8 48
	MAY	19 22 27	19 14 54
	JUNE	18 11 11	18 8 33
	JULY	17 23 55	17 17 55
	AUG.	16 12 39	16 9 43
	○	31 7 1	31 0 38
	SEPT.	15 1 23	15 2 13
	OCT.	14 14 7	14 18 37
	NOV.	13 2 51	13 10 7
	DEC.	12 15 35	13 0 17
1803. D. 9 15 54	JAN.	11 4 19	11 12 50
	FEB.	9 17 3	9 23 49
	MAR.	11 5 47	11 9 23
	APRIL	9 18 31	9 17 59
	MAY	9 7 15	9 2 19
	JUNE	7 19 59	7 11 18
	JULY	7 8 43	6 21 56
	AUG.	5 21 27	5 10 53
	SEPT.	4 10 11	4 2 18
	OCT.	3 22 55	3 19 36
	NOV.	2 11 39	2 13 46
	DEC.	2 0 23	2 7 33
		31 13 7	31 23 46
1804. C.B. 8 21 43	○	15 7 30	14 23 31
	JAN.	30 1 52	30 13 47
	FEB.	28 14 36	29 1 20
	MAR.	29 3 20	29 10 43
	APRIL	27 16 4	27 18 35
	MAY	27 4 48	27 1 44
	JUNE	25 17 32	25 9 17
	○	10 11 54	10 19 55
	JULY	25 6 16	24 18 17
	AUG.	23 19 0	23 5 43
	SEPT.	22 7 44	21 20 5
	OCT.	21 20 28	21 13 14
	NOV.	20 9 12	20 8 11
	DEC.	19 21 56	20 3 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1805.		d. h. m.	d. h. m.
A.	○	3 16 18	3 10 56
	JAN.	18 10 41	18 21 25
March.	FEB.	16 23 25	17 12 58
d. h. m.	MAR.	18 12 9	19 1 24
9 3 32	APRIL	17 0 53	17 11 10
	MAY	16 13 37	16 18 56
	JUNE	15 2 21	15 1 41
	○	29 20 43	29 23 31
	JULY	14 15 5	14 8 31
	AUG.	13 8 49	12 16 31
	SEPT.	11 16 33	11 2 43
	OCT.	11 5 17	10 16 12
	NOV.	9 18 1	9 8 2
	DEC.	9 6 45	9 2 36
	○	24 1 7	24 2 21
1806.	JAN.	7 19 30	7 22 11
G.	FEB.	6 8 13	6 17 4
9 9 21	MAR.	7 20 57	8 9 48
	APRIL	6 9 41	6 23 32
	MAY	5 22 25	6 10 16
	JUNE	4 11 9	4 18 41
	JULY	3 23 53	4 1 44
	AUG.	2 12 37	2 8 36
	SEPT.	1 1 21	31 16 19
		30 14 5	30 1 49
	OCT.	30 2 49	29 13 50
	NOV.	28 15 33	28 4 36
	DEC.	28 4 17	27 21 48
1807.	JAN.	26 17 2	26 16 29
F.	FEB.	25 5 46	25 11 18
9 15 10	MAR.	26 18 30	27 4 34
	APRIL	25 7 14	25 19 29
	○	10 1 36	9 19 7
	MAY	24 19 58	25 7 39
	JUNE	23 8 42	23 17 21
	JULY	22 21 26	23 1 20
	AUG.	21 10 10	21 9 9
	SEPT.	19 22 54	19 17 15
	OCT.	19 11 38	19 2 39
	○	8 6 0	8 10 36
	NOV.	18 0 22	17 13 51
	DEC.	17 13 6	17 3 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1808.		d. h. m.	d. h. m.
E.D.	JAN.	16 1 51	15 18 26
March.	FEB.	14 14 35	14 11 11
d. h. m.	MAR.	15 3 19	15 4 37
8 20 59	APRIL	13 16 3	13 21 40
	○	28 10 25	28 10 7
	MAY	13 4 47	13 13 22
	JUNE	11 17 31	12 3 3
	JULY	11 6 15	11 14 36
	AUG.	9 18 59	10 0 33
	SEPT.	8 7 43	8 9 41
	OCT.	7 20 27	7 18 49
	○	22 14 49	22 10 51
	NOV.	6 9 11	6 4 37
	DEC.	5 21 55	5 15 27
1809.	JAN.	4 10 39	4 3 27
C.	FEB.	2 23 23	2 16 37
9 2 47	MAR.	4 12 7	4 6 55
	APRIL	3 0 51	2 22 11
	○	17 19 13	18 3 5
	MAY	2 13 35	2 14 1
	JUNE	1 2 19	1 5 43
		30 15 3	30 20 37
	JULY	30 3 47	30 10 13
	AUG.	28 16 31	28 22 24
	SEPT.	27 5 15	27 9 43
	○	11 23 37	11 11 33
	OCT.	26 17 59	26 20 26
	NOV.	25 6 43	25 7 7
	DEC.	24 19 27	24 17 56
1810.	JAN.	23 8 11	23 4 56
B.	FEB.	21 20 55	21 16 12
9 8 35	MAR.	23 9 40	23 4 2
	APRIL	21 22 24	21 16 46
	MAY	21 11 8	21 6 38
	JUNE	19 23 52	19 21 31
	JULY	19 12 36	19 12 59
	AUG.	18 1 20	18 4 20
	SEPT.	16 14 4	16 19 2
	OCT.	16 2 48	16 8 58
	NOV.	14 15 32	14 21 36
	DEC.	14 4 16	14 9 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1811.		d. h. m.	d. h. m.
A.	JAN. .	12 17 0	12 20 38
March.	FEB. .	11 5 44	11 7 0
d. h. m.	○	26 0 6	26 8 40
9 14 25	MAR. .	12 18 28	12 16 48
	APRIL	11 7 12	11 2 29
	MAY .	10 19 56	10 12 46
	JUNE .	9 8 40	9 0 23
	JULY .	8 21 24	8 13 48
	AUG. .	7 10 8	7 4 58
	○	22 4 30	22 0 39
	SEPT. .	5 22 52	5 21 24
	OCT. .	5 11 36	5 14 13
	NOV. .	4 0 20	4 6 32
	DEC. .	3 13 4	3 21 38
1812.	JAN. .	2 1 49	2 11 9
G.F.		31 14 33	31 22 54
	FEB. ○	15 8 55	15 8 12
8 20 14	MAR. .	1 3 17	1 9 0
		30 16 1	30 17 48
	APRIL	29 4 45	29 1 56
	MAY .	28 17 29	28 10 17
	JUNE .	27 6 13	26 19 52
	JULY .	26 18 57	26 7 33
	○	10 13 19	10 17 7
	AUG. .	25 7 41	24 21 46
	SEPT. .	23 20 25	23 14 21
	OCT. .	23 9 9	23 8 28
	NOV. .	21 21 53	22 2 48
	DEC. .	21 10 37	21 20 6
1813.	JAN. .	19 23 22	20 11 20
E.	○	8 17 44	8 11 9
	FEB. .	18 12 6	19 0 3
9 2 3	MAR. .	20 0 50	20 10 21
	APRIL	18 13 34	18 18 42
	MAY .	18 2 18	18 1 57
	JUNE .	16 15 2	16 9 4
	JULY .	16 3 46	15 17 9
	○	30 22 8	31 5 18
	AUG. .	14 16 30	14 3 16
	SEPT. .	13 5 14	12 16 12
	OCT. .	12 17 58	12 8 9
	NOV. .	11 6 42	11 2 28
	DEC. .	10 19 26	10 21 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1814.		d. h. m.	d. h. m.
D.	JAN. .	9 8 10	9 16 43
March.	FEB. .	7 20 54	8 9 32
d. h. m.	MAR. .	9 9 38	9 23 30
9 7 51	APRIL	7 22 22	8 10 28
	MAY .	7 11 6	7 19 2
	JUNE .	5 23 50	6 2 6
	JULY .	5 12 34	5 8 44
	AUG. .	4 1 18	3 16 3
	SEPT. .	2 14 2	2 1 7
	OCT. .	2 2 46	1 12 47
		31 15 30	31 3 33
	NOV. .	30 4 14	29 21 5
	○	14 22 36	15 1 21
	DEC. .	29 16 58	29 16 20
1815.	JAN. .	28 5 43	28 11 44
C.	FEB. .	26 18 27	27 5 36
9 13 40	MAR. .	28 7 11	28 20 49
	APRIL	26 19 55	27 8 57
	MAY .	26 8 39	26 18 23
	○	10 3 1	9 20 23
	JUNE .	24 21 23	25 2 0
	JULY .	24 10 7	24 8 54
	AUG. .	22 22 51	22 16 11
	SEPT. .	21 11 35	21 0 50
	OCT. .	21 0 19	20 11 37
	NOV. .	19 13 3	19 1 3
	○	4 7 25	4 15 15
	DEC. .	19 1 47	18 17 4
1816.	JAN. .	17 14 32	17 11 3
B.A.	FEB. .	16 3 16	16 5 45
8 19 29	MAR. .	16 16 0	16 23 47
	APRIL	15 4 44	15 15 55
	MAY .	14 17 23	15 5 25
	○	29 11 50	29 3 37
	JUNE .	13 6 12	13 16 18
	JULY .	12 18 56	13 1 14
	AUG. .	11 7 40	11 9 9
	SEPT. .	9 20 24	9 17 5
	OCT. .	9 9 8	9 1 57
	NOV. .	7 21 52	7 12 19
	○	22 16 14	22 23 6
	DEC. .	7 10 36	7 0 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1817.		d. h. m.	d. h. m.
G. March. d. h. m. 9 1 18	JAN.	5 23 20	5 14 47
	FEB.	4 12 4	4 6 39
	MAR.	6 0 48	5 23 36
	APRIL	4 13 32	4 16 46
	MAY	4 2 16	4 9 6
	JUNE	2 15 0	2 23 48
	JULY	2 8 44 31 16 28	2 12 30 31 23 21
	AUG.	30 5 12	30 9 0
	SEPT.	28 17 56	23 18 16
	OCT.	28 6 40	28 8 54
	NOV.	26 19 24	26 14 20
	DEC.	26 8 8	26 1 43
1818. F. 9 7 7	JAN.	24 20 58	24 14 9
	FEB.	23 9 37	23 3 39
	MAR.	24 22 21	24 18 10
	○ APRIL	8 16 43 23 11 5	9 2 49 23 9 31
	MAY	22 23 49	23 1 13
	JUNE	21 12 33	21 16 34
	JULY	21 1 17	21 6 58
	AUG.	19 14 1	19 20 6
	SEPT.	18 2 45	18 8 5
	○ OCT.	2 21 7 17 15 29	2 7 42 17 19 17
	NOV.	16 4 13	16 6 9
	DEC.	15 16 57	15 17 0
1819. E. 9 12 56	JAN.	14 5 42	14 3 52
	FEB.	12 18 26	12 14 48
	MAR.	14 7 10	14 2 3
	○ APRIL	29 1 32	29 15 31
	MAY	12 19 54	12 13 58
	JUNE	12 8 38	12 2 59
	JULY	10 21 22	10 17 14
	AUG.	10 10 6	10 8 26
	SEPT.	8 22 50	9 0 3
	○ OCT.	7 11 34 22 5 56	7 15 23 21 17 18
	NOV.	7 0 18	7 5 57
	DEC.	5 13 2	5 19 31
		5 1 46	5 8 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1820.		d. h. m.	d. h. m.
D.C. March. d. h. m. 8 18 44	JAN.	8 14 30	3 19 38
	FEB.	2 3 14	2 6 18
	MAR.	2 15 58	2 16 10
	○ APRIL	17 10 20 1 4 42	17 20 56 1 1 34
		30 17 26	30 11 12
	MAY	30 6 10	29 21 51
	JUNE	28 18 54	28 10 12
	JULY	28 7 38	28 0 30
	AUG.	26 20 22	26 16 31
	○ SEPT.	10 14 44 25 9 6	10 8 36 25 9 23
	OCT.	24 21 50	25 2 24
	NOV.	23 10 34	23 18 27
	DEC.	22 23 18	23 8 56
1821. B. 9 0 33	JAN.	21 12 2	21 21 36
	FEB.	20 0 46	20 8 24
	MAR.	21 13 31	21 17 37
	APRIL	20 2 15	20 1 48
	MAY	19 14 59	19 9 44
	JUNE	18 3 43	17 18 25
	JULY	17 16 27	17 4 52
	AUG.	16 5 11	15 17 49
	SEPT.	14 17 55	14 9 23
	OCT.	14 6 39	14 3 1
	NOV.	12 19 23	12 21 37
	DEC.	12 8 7	12 15 46
1822. A. 9 6 22	JAN.	10 20 51	11 8 12
	○ FEB.	25 15 13	25 7 55
		9 9 35	9 22 12
	MAR.	10 22 20	11 9 35
	APRIL	9 11 4	9 18 41
	MAY	8 23 48	9 2 14
	JUNE	7 12 32	7 9 11
	JULY	7 1 16	6 16 35
	○ AUG.	21 19 38	22 2 49
		5 14 0	5 1 33
	SEPT.	4 2 44	3 18 3
	OCT.	3 15 28	3 3 35
	NOV.	2 4 12	1 20 56
	DEC.	1 16 56 31 5 40	1 16 5 31 11 29

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1823. G.		d. h. m.	d. h. m.
March. d. h. m. 9 12 11	○	15 0 2	14 19 46
	JAN.	29 18 24	30 5 29
	FEB.	28 7 8	28 20 58
	MAR.	29 19 52	30 9 14
	APRIL	28 8 36	28 18 49
	MAY	27 21 20	28 2 26
	JUNE	26 10 4	26 9 8
	○	11 4 26	11 5 59
	JULY	25 22 48	25 16 0
	AUG.	24 11 32	24 0 7
	SEPT.	23 0 16	22 10 30
	OCT.	22 13 0	21 23 47
	NOV.	21 1 44	20 16 3
	DEC.	20 14 28	20 10 36
1824. F.E. 8 18 0	○	4 8 51	4 11 20
	JAN.	19 3 13	19 6 24
	FEB.	17 15 57	18 0 48
	MAR.	18 4 41	18 17 22
	APRIL	16 17 25	17 6 57
	MAY	16 6 9	16 17 37
	JUNE	14 18 53	15 2 1
	○	29 13 15	29 6 45
	JULY	14 7 37	14 9 13
	AUG.	12 20 21	12 16 18
	SEPT.	11 9 5	11 0 16
	OCT.	10 21 49	10 10 3
	NOV.	9 10 33	8 22 11
	DEC.	8 23 17	8 12 57
1825. D. 8 23 9	JAN.	7 12 1	7 5 56
	FEB.	6 0 45	6 0 15
	MAR.	7 13 29	7 18 37
	APRIL	6 2 13	6 11 41
	MAY	5 14 57	6 2 28
	○	20 9 19	20 2 25
	JUNE	4 3 41	4 14 38
	JULY	3 16 25	4 0 32
	AUG.	2 5 9	2 8 58
		31 17 53	31 16 59
	SEPT.	30 6 37	30 1 28
	OCT.	29 19 21	29 11 12
	○	13 13 43	13 18 33
	NOV.	28 8 5	27 22 33
	DEC.	27 20 49	27 11 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1826. C.		d. h. m.	d. h. m.
March. d. h. m. 9 5 37	JAN.	26 9 33	26 2 33
	FEB.	24 22 17	24 18 54
	MAR.	26 11 2	26 11 48
	APRIL	24 23 46	25 4 28
	○	9 18 8	9 17 48
	MAY	24 12 30	24 20 0
	JUNE	23 1 14	23 9 47
	JULY	22 13 58	22 21 40
	AUG.	21 2 42	21 8 3
	SEPT.	19 15 26	19 17 39
	OCT.	19 4 10	19 3 16
	○	2 22 32	2 18 28
	NOV.	17 16 54	17 13 25
	DEC.	17 5 38	17 0 21
1827. B. 9 11 26	JAN.	15 18 22	15 12 10
	FEB.	14 7 6	14 0 54
	MAR.	15 19 51	15 14 37
	APRIL	14 8 35	14 5 18
	○	29 2 57	29 10 49
	MAY	13 21 19	13 20 40
	JUNE	12 10 3	12 12 11
	JULY	11 22 47	12 3 12
	AUG.	10 11 31	10 17 11
	SEPT.	9 0 15	9 6 0
	OCT.	8 12 59	8 17 49
	○	23 7 21	22 19 20
	NOV.	7 1 43	7 5 4
	DEC.	6 14 27	6 16 3
1828. A.G. 8 17 15	JAN.	5 3 11	5 2 54
	FEB.	3 15 55	3 13 40
	MAR.	4 4 39	4 0 23
	APRIL	2 17 23	2 11 42
	MAY	2 6 7	1 23 50
		31 18 51	31 13 16
	JUNE	30 7 35	30 3 57
	JULY	29 20 19	29 19 31
	AUG.	28 9 3	28 11 16
	SEPT.	26 21 47	27 2 33
	OCT.	26 10 31	26 16 56
	NOV.	24 23 15	25 6 14
	DEC.	24 11 59	24 18 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1829. F.		d. h. m.	d. h. m.
	JAN. .	23 0 44	23 5 31
	FEB. .	21 18 28	21 15 36
March. d. h. m. 8 23 4	○	8 7 50	8 16 9
	MAR. .	23 2 12	23 0 57
	APRIL	21 14 56	21 10 7
	MAY .	21 3 40	20 19 55
	JUNE .	19 16 24	19 7 11
	JULY .	19 5 8	18 20 26
	AUG. .	17 17 52	17 11 42
	○	1 12 14	1 8 31
	SEPT. .	16 6 36	16 4 29
	OCT. .	15 19 20	15 21 48
	NOV. .	14 8 4	14 14 39
	DEC. .	13 20 48	14 6 11
1830. K.	JAN. .	12 9 33	12 19 58
	FEB. .	10 22 17	11 7 32
	○	25 16 39	25 15 50
9 4 52	MAR. .	12 11 1	12 17 21
	APRIL	10 23 45	11 1 46
	MAY .	10 12 29	10 9 4
	JUNE .	9 1 13	8 17 33
	JULY .	8 13 57	8 2 53
	AUG. .	7 2 41	6 14 29
	○	21 21 3	22 0 44
	SEPT. .	5 15 25	5 4 49
	OCT. .	5 4 9	4 21 40
	NOV. .	3 16 53	3 16 8
	DEC. .	3 5 37	3 10 52
1831. D.	JAN. .	1 18 21	2 4 26
		31 7 5	31 19 44
	FEB. ○	15 1 27	14 19 15
9 10 41	MAR. .	1 19 49	2 8 19
		31 8 33	31 18 22
	APRIL	29 21 17	30 2 27
	MAY .	29 10 1	29 9 28
	JUNE .	27 22 45	27 16 25
	JULY .	27 11 29	27 0 27
	○	11 5 51	11 12 25
	AUG. .	26 0 13	25 10 37
	SEPT. .	24 12 57	23 23 40
	OCT. .	24 1 41	23 15 47
	NOV. .	22 14 25	22 10 17
	DEC. .	22 3 9	22 5 50

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1832. C.B.		d. h. m.	d. h. m.
	JAN. .	20 15 54	21 0 45
	FEB. .	19 4 38	19 17 32
March. d. h. m. 8 16 30	MAR. .	19 17 22	20 7 21
	APRIL	18 6 6	18 18 10
	MAY .	17 18 50	18 2 35
	JUNE .	16 7 34	16 9 34
	JULY .	15 20 18	15 16 13
	AUG. .	14 9 2	13 23 39
	SEPT. .	12 21 46	12 8 53
	OCT. .	12 10 30	11 20 45
	NOV. .	10 23 14	10 11 36
	DEC. .	10 11 58	10 5 8
	○	25 6 20	25 10 19
1833. A.	JAN. .	9 0 42	9 0 17
	FEB. .	7 13 27	7 19 31
8 22 19	MAR. .	9 2 11	9 13 11
	APRIL	7 14 55	8 4 13
	MAY .	7 3 39	7 16 16
	JUNE .	5 16 23	6 1 42
	○	20 10 45	20 3 2
	JULY .	5 5 7	5 9 21
	AUG. .	3 17 51	3 16 31
	SEPT. .	2 6 35	2 0 3
	OCT. .	1 19 19	1 8 59
		31 8 3	30 20 0
	NOV. .	29 20 47	29 9 29
	○	14 15 9	14 23 57
	DEC. .	29 9 31	29 1 20
1834. G.	JAN. .	27 22 15	27 18 57
	FEB. .	26 10 59	26 13 17
9 4 8	MAR. .	27 23 43	28 6 57
	APRIL	26 12 27	26 22 52
	MAY .	26 1 11	26 12 20
	○	9 19 33	9 10 43
	JUNE .	24 18 55	24 23 22
	JULY .	24 2 39	24 8 33
	AUG. .	22 15 23	22 16 50
	SEPT. .	21 4 7	21 1 12
	OCT. .	20 16 51	20 10 25
	NOV. .	19 5 35	18 21 2
	○	3 23 57	4 7 18
	DEC. .	18 18 19	18 9 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1835. F. March. d. h. m. 9 9 57	JAN.	17 7 8	16 23 11
	FEB.	15 19 47	15 14 35
	MAR.	17 8 32	17 7 0
	APRIL	15 21 16	15 23 40
	MAY	15 10 0	15 15 45
	○	30 4 22	30 1 7
	JUNE	13 22 44	14 6 27
	JULY	13 11 28	13 19 22
	AUG.	12 0 12	12 6 39
	SEPT.	10 12 56	10 16 49
	OCT.	10 1 40	10 2 37
	NOV.	8 14 24	8 12 38
	DEC.	8 3 8	7 23 15
1836. E.D. 8 15 45	JAN.	6 15 58	6 10 35
	FEB.	5 4 37	4 22 39
	MAR.	5 17 21	5 11 36
	APRIL	4 6 5	4 1 30
	○	19 0 27	19 10 36
	MAY	3 18 49	3 16 19
	JUNE	2 7 33	2 7 41
	JULY	1 20 17	1 23 2
		31 9 1	31 18 45
	AUG.	29 21 45	30 3 23
	SEPT.	28 10 29	28 15 57
	○	13 4 51	12 15 30
	OCT.	27 23 13	28 3 43
	NOV.	26 11 57	26 15 1
	DEC.	26 0 41	26 1 58
1837. C. 8 21 34	JAN.	24 13 25	24 12 41
	FEB.	23 2 9	22 23 16
	MAR.	24 14 58	24 9 57
	○	8 9 15	8 23 4
	APRIL	23 3 37	22 21 16
	MAY	22 16 21	22 9 47
	JUNE	21 5 5	20 23 44
	JULY	20 17 49	20 14 55
	AUG.	19 6 33	19 6 49
	SEPT.	17 19 17	17 22 39
	○	2 13 39	2 1 22
	OCT.	17 8 1	17 13 50
	NOV.	15 20 45	16 3 57
	DEC.	15 9 29	15 16 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1838. B. March. d. h. m. 9 3 23	JAN.	13 22 14	14 4 33
	FEB.	12 10 58	12 15 0
	MAR.	13 23 42	14 0 23
	○	28 18 4	29 4 12
	APRIL	12 12 26	12 9 21
	MAY	12 1 10	11 18 33
	JUNE	10 13 54	10 4 47
	JULY	10 2 38	9 16 54
	AUG.	8 15 22	8 7 12
	SEPT.	7 4 6	6 23 27
	○	21 22 28	21 16 44
	OCT.	6 16 50	6 16 51
	NOV.	5 5 34	5 10 19
	DEC.	4 18 18	5 2 49
1839. A. 9 9 12	JAN.	3 7 2	3 17 36
	FEB.	1 19 46	2 6 14
	MAR.	3 8 30	3 16 50
	APRIL	1 21 14	2 1 43
	MAY	1 9 58	1 9 30
		30 22 42	30 17 6
	JUNE	29 11 26	29 1 33
	JULY	29 0 10	28 11 53
	AUG.	27 12 54	27 0 51
	SEPT.	26 1 38	25 16 36
	OCT.	25 14 22	25 10 33
	NOV.	24 3 6	24 5 31
	DEC.	23 15 50	23 23 57
1840. G.F. 8 15 1	JAN.	22 4 34	22 16 33
	○	5 22 56	5 16 14
	FEB.	20 17 18	21 6 29
	MAR.	21 6 3	21 17 41
	APRIL	19 18 47	20 2 31
	MAY	19 7 31	19 9 50
	JUNE	17 20 15	17 16 35
	JULY	17 8 59	17 0 31
	○	1 3 21	1 9 44
	AUG.	15 21 43	15 8 55
	SEPT.	14 10 27	13 20 32
	OCT.	13 23 11	13 11 13
	NOV.	12 11 55	12 4 44
	DEC.	12 0 39	12 0 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1841.		d. h. m.	d. h. m.
E.	JAN.	10 13 24	10 19 30
March. d. h. m. 8 20 50	○	25 7 46	25 4 33
	FEB.	9 2 8	9 13 28
	MAR.	10 14 52	11 4 45
	APRIL	9 8 36	9 16 57
	MAY	8 16 20	9 2 22
	JUNE	7 5 4	7 9 54
	JULY	6 17 48	6 16 36
	○	21 12 10	21 12 31
	AUG.	5 6 32	4 23 33
	SEPT.	3 19 16	3 7 58
	OCT.	3 8 0	2 18 28
	NOV.	1 20 44	1 7 52
	DEC.	1 9 28	1 0 10
		30 22 12	30 18 37
1842. D. 9 2 38	○	14 16 34	14 20 14
	JAN.	29 10 56	29 13 58
	FEB.	27 23 40	28 8 23
	MAR.	29 12 24	30 0 43
	APRIL	28 1 8	28 14 12
	MAY	27 13 52	28 0 50
	JUNE	26 2 36	26 9 20
	○	10 20 58	10 13 19
	JULY	25 15 20	25 16 42
	AUG.	24 4 4	24 0 8
	SEPT.	22 16 48	22 8 21
	OCT.	22 5 32	21 18 24
	NOV.	20 18 16	20 6 41
	DEC.	20 7 0	19 21 20
1843. C. 9 8 27	JAN.	18 19 45	18 14 8
	FEB.	17 8 29	17 7 57
	MAR.	18 21 13	19 1 54
	APRIL	17 9 57	17 18 39
	MAY	16 22 41	17 9 21
	JUNE	15 11 25	15 21 36
	JULY	15 0 9	15 7 44
	AUG.	13 12 58	13 16 32
	SEPT.	12 1 37	12 0 58
	OCT.	11 14 21	11 9 58
	NOV.	10 3 5	9 19 54
	○	24 21 27	25 2 34
	DEC.	9 15 49	9 7 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1844.		d. h. m.	d. h. m.
B.A. March. d. h. m. 8 14 16	JAN.	8 4 34	7 20 21
	FEB.	6 17 18	6 10 50
	MAR.	7 6 2	7 2 30
	APRIL	5 18 46	5 18 53
	MAY	5 7 30	5 11 10
	○	20 1 52	20 1 20
	JUNE	3 20 14	4 2 35
	JULY	3 8 58	3 16 30
	AUG.	1 21 42	2 4 45
		31 10 26	31 15 38
	SEPT.	29 23 10	30 1 48
	OCT.	29 11 54	29 11 53
	○	13 6 16	13 2 15
	NOV.	28 0 38	27 22 20
	DEC.	27 13 22	27 9 17
1845. G. 8 20 5	JAN.	26 2 6	25 20 51
	FEB.	24 14 50	24 9 5
	MAR.	26 3 34	25 22 10
	APRIL	24 16 18	24 12 16
	○	9 10 40	9 18 26
	MAY	24 5 2	24 8 13
	JUNE	22 17 46	22 18 36
	JULY	22 6 30	22 9 47
	AUG.	20 19 14	21 0 13
	SEPT.	19 7 58	19 13 36
	OCT.	18 20 42	19 2 2
	○	2 15 4	2 3 15
	NOV.	17 9 26	17 13 46
	DEC.	16 22 10	17 1 0
1846. F. 9 1 54	JAN.	15 10 55	15 11 50
	FEB.	13 23 39	13 22 18
	MAR.	15 12 23	15 8 36
	APRIL	14 1 7	13 19 16
	MAY	13 13 51	13 6 51
	JUNE	12 2 35	11 19 53
	JULY	11 15 19	11 10 27
	AUG.	10 4 3	10 2 10
	SEPT.	8 16 47	8 18 20
	OCT.	8 5 31	8 10 13
	NOV.	6 18 15	7 1 11
	DEC.	6 6 59	6 14 55

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1847.		*d. h. m.*	*d. h. m.*
E. March. *d. h. m.* 9 7 48	JAN. .	4 19 44	5 8 18
	FEB. .	8 8 28	8 14 18
	MAR. .	4 21 12	5 0 8
	○	19 15 34	19 23 27
	APRIL	8 9 56	8 8 58
	MAY .	2 22 40	2 17 39
	JUNE .	1 11 24	1 8 2
	JULY .	1 0 8	30 13 59
		30 12 52	30 8 9
	AUG. .	29 1 36	28 18 34
	○	12 19 58	12 16 33
	SEPT. .	27 14 20	27 11 41
	OCT. .	27 3 4	27 5 30
	NOV. .	25 15 48	25 22 51
	DEC. .	25 4 32	25 14 44
1848. D.C.	JAN. .	23 17 16	24 4 31
	FEB. .	22 6 0	22 16 8
	○	8 0 22	7 23 17
8 13 31	MAR. .	22 18 44	23 1 33
	APRIL	21 7 28	21 9 36
	MAY .	20 20 12	20 17 0
	JUNE .	19 8 56	19 0 46
	JULY .	18 21 40	18 9 58
	AUG. .	17 10 24	16 21 34
	○	1 4 46	1 8 27
	SEPT. .	15 23 8	15 12 1
	OCT. .	15 11 52	15 5 6
	NOV. .	14 0 36	13 23 55
	DEC. .	13 13 20	13 18 57
1849. B.	JAN. .	12 2 5	12 12 43
	FEB. .	10 14 49	11 4 2
	○	25 9 11	25 3 16
8 19 20	MAR. .	12 3 33	12 16 29
	APRIL	10 16 17	11 2 16
	MAY .	10 5 1	10 10 7
	JUNE .	8 17 45	8 16 46
	JULY .	8 6 29	7 23 49
	AUG. .	6 19 13	6 7 51
	○	21 13 35	21 19 37
	SEPT. .	5 7 57	4 18 7
	OCT. .	4 20 41	4 7 19
	NOV. .	3 9 25	2 23 36
	DEC. .	2 22 9	2 18 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1850. A.		*d. h. m.*	*d. h. m.*
	JAN. .	1 10 53	1 13 51
		30 23 37	31 8 44
March. *d. h. m.* 9 1 9	FEB. .	...	...
	MAR. .	1 12 21	2 1 23
		31 1 5	31 15 2
	APRIL	29 13 49	30 1 42
	MAY .	29 2 33	29 10 0
	JUNE .	27 15 17	27 16 58
	JULY .	27 4 1	26 23 44
	AUG. .	25 16 45	25 7 21
	SEPT. .	24 5 29	23 16 48
	OCT. .	23 18 13	23 4 52
	NOV. .	22 6 57	21 19 47
	DEC. .	21 19 41	21 13 15
	○	5 14 3	5 19 15
1851. G.	JAN. .	20 8 25	20 8 11
	FEB. .	18 21 9	19 3 7
9 6 58	MAR. .	20 9 54	20 20 34
	APRIL	18 22 38	19 11 26
	MAY .	18 11 22	18 23 26
	JUNE .	17 0 6	17 8 55
	○	1 18 28	1 9 41
	JULY .	16 12 50	16 16 48
	AUG. .	15 1 34	15 0 10
	SEPT. .	13 14 18	13 8 3
	OCT. .	13 3 2	12 17 18
	NOV. .	11 15 46	11 4 31
	DEC. .	11 4 30	10 17 59
	○	25 22 52	26 8 37
1852. F.E.	JAN. .	9 17 14	9 9 37
	FEB. .	8 5 59	8 2 50
8 12 47	MAR. .	8 18 43	8 20 41
	APRIL	7 7 27	7 13 59
	MAY .	6 20 11	7 5 42
	JUNE .	5 8 55	5 19 11
	○	20 3 17	19 17 50
	JULY .	4 21 39	5 6 25
	AUG. .	3 10 23	3 15 57
	SEPT. .	1 23 7	2 0 39
	OCT. .	1 11 51	1 9 23
		31 0 35	30 19 3
	NOV. .	29 13 19	29 5 51
	○	14 7 41	14 15 31
	DEC. .	29 2 3	28 13 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1853.			
D. March. d. h. m. 8 18 35	JAN. .	27 14 47	27 7 36
	FEB. .	26 8 31	25 22 27
	MAR. .	27 16 15	27 14 15
	APRIL	26 4 59	26 6 26
	MAY .	25 17 43	25 22 16
	○	9 12 5	9 8 31
	JUNE .	24 6 27	24 13 8
	JULY .	23 19 11	24 2 16
	AUG. .	22 7 55	22 14 1
	SEPT. .	20 20 39	21 0 44
	OCT. .	20 9 23	20 11 8
	NOV. .	18 22 7	18 21 28
	DEC. .	18 10 51	18 8 13
1854. C. 9 0 24	JAN. .	16 23 36	16 19 24
	FEB. .	15 12 20	15 7 4
	MAR. .	17 1 4	16 19 25
	APRIL	15 13 48	15 8 41
	○	30 8 10	30 18 15
	MAY .	15 2 32	14 23 0
	JUNE .	13 15 16	13 14 7
	JULY .	13 4 0	13 5 31
	AUG. .	11 16 44	11 20 33
	SEPT. .	10 5 28	10 10 45
	OCT. .	9 18 12	9 23 57
	○	24 12 34	23 23 26
	NOV. .	8 6 56	8 12 16
	DEC. .	7 19 40	7 23 53
1855. B. 9 6 13	JAN. .	6 8 25	6 10 57
	FEB. .	4 21 9	4 21 28
	MAR. .	6 9 53	6 5 37
	APRIL	4 22 37	4 17 45
	○	19 16 59	20 6 28
	MAY .	4 11 21	4 4 31
	JUNE .	3 0 5	2 16 34
	JULY .	2 12 49	2 6 16
	AUG. .	1 1 33	31 21 29
		30 14 17	30 13 42
	SEPT. .	29 3 1	29 6 4
	○	13 21 23	13 9 36
	OCT. .	28 15 45	28 21 51
	NOV. .	27 4 29	27 12 29
	DEC. .	26 17 13	27 1 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1856. A.G. March. d. h. m. 8 12 2	JAN. .	25 5 57	25 13 21
	FEB. .	23 18 41	23 23 34
	MAR. .	24 7 25	24 8 38
	○	8 1 47	8 11 17
	APRIL	22 20 9	22 17 7
	MAY .	22 8 53	22 1 49
	JUNE .	20 21 37	20 11 44
	JULY .	20 10 21	19 23 39
	AUG. .	18 23 5	18 14 0
	SEPT. .	17 11 49	17 6 30
	○	2 6 11	2 1 0
	OCT. .	17 0 33	17 0 19
	NOV. .	15 13 17	15 18 17
	DEC. .	15 2 1	15 11 12
1857. F. 8 17 51	JAN. .	13 14 46	14 2 11
	FEB. .	12 3 30	12 14 48
	MAR. .	13 16 14	14 1 10
	APRIL	12 4 58	12 9 41
	MAY .	11 17 42	11 17 8
	JUNE .	10 6 26	10 0 26
	JULY .	9 19 10	9 8 43
	AUG. .	8 7 54	7 19 0
	SEPT. .	6 20 38	6 8 3
	OCT. .	6 9 22	6 0 0
	NOV. .	4 22 6	4 18 14
	DEC. .	4 10 50	4 13 29
1858. E. 8 23 40	JAN. .	2 23 35	3 8 12
	FEB. .	1 12 19	2 0 49
	○	16 6 41	16 0 32
	MAR. .	3 1 3	3 14 40
	APRIL	1 13 47	2 1 37
	MAY .	1 2 31	1 10 14
		30 15 15	30 17 19
	JUNE .	29 3 59	29 0 0
	JULY .	28 16 43	28 7 20
	○	12 11 5	12 16 43
	AUG. .	27 5 27	26 16 26
	SEPT. .	25 18 11	25 4 11
	OCT. .	25 6 55	24 19 1
	NOV. .	23 19 39	23 12 40
	DEC. .	23 8 23	23 8 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1859. D.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 9 5 28	JAN.	21 21 7	22 8 26
	○	5 15 29	5 18 15
	FEB.	20 9 51	20 21 17
	MAR.	21 22 85	22 12 26
	APRIL	20 11 19	21 0 28
	MAY	20 0 8	20 9 47
	JUNE	18 12 47	18 17 17
	JULY	18 1 81	18 0 4
	○	1 19 58	1 19 5
	AUG.	16 14 15	16 7 18
	SEPT.	15 2 59	14 15 47
	OCT.	14 15 48	14 2 84
	NOV.	18 4 27	12 16 6
	DEC.	12 17 11	12 8 21
1860. C.B. 8 11 17	JAN.	11 5 56	11 2 38
	○	26 0 18	26 5 6
	FEB.	9 18 40	9 21 87
	MAR.	10 7 24	10 15 50
	APRIL	8 20 8	9 7 58
	MAY	8 8 52	8 21 21
	JUNE	6 21 86	7 8 0
	JULY	6 10 20	6 16 89
	○	21 4 42	20 19 57
	AUG.	4 23 4	5 0 17
	SEPT.	8 11 48	8 7 57
	OCT.	8 0 32	2 16 86
	NOV.	1 18 16	1 2 55
	DEC.	1 2 0	30 15 16
		30 14 44	30 5 46
1861. A. 8 17 6	JAN.	29 8 29	28 22 6
	FEB.	27 16 18	27 15 32
	MAR.	29 4 57	29 9 1
	APRIL	27 17 41	28 1 29
	MAY	27 6 25	27 16 7
	JUNE	25 19 9	26 4 81
	JULY	25 7 53	25 14 58
	AUG.	23 20 37	24 0 11
	SEPT.	22 9 21	22 9 5
	OCT.	21 22 5	21 18 25
	NOV.	20 10 49	20 4 41
	○	5 5 11	5 10 39
	DEC.	19 23 38	19 16 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1862. G. March. *d. h. m.* 8 22 55		*d. h. m.*	*d. h. m.*
	JAN.	18 12 17	18 4 55
	FEB.	17 1 1	16 18 54
	MAR.	18 13 45	18 9 59
	APRIL	17 2 29	17 1 49
	MAY	16 15 18	16 17 45
	○	31 9 35	31 8 48
	JUNE	15 3 57	15 9 6
	JULY	14 16 41	14 23 18
	AUG.	13 5 25	13 11 54
	SEPT.	11 18 9	11 23 21
	OCT.	11 6 53	11 10 4
	NOV.	9 19 37	9 20 34
	○	24 13 59	24 10 6
	DEC.	9 8 21	9 7 15
1863. F. 9 4 44	JAN.	7 21 5	7 18 12
	FEB.	6 9 50	6 5 27
	MAR.	7 22 34	7 17 10
	APRIL	6 11 18	6 5 41
	MAY	6 0 2	5 19 10
	○	20 18 24	21 1 57
	JUNE	4 12 46	4 9 45
	JULY	4 1 30	4 1 3
	AUG.	2 14 14	2 16 27
	SEPT.	1 2 58	1 7 21
		30 15 42	30 21 21
	OCT.	30 4 26	30 10 23
	○	13 22 48	13 11 20
	NOV.	28 17 10	28 22 32
	DEC.	28 5 54	28 9 58
1864. E.D. 8 10 33	JAN.	26 18 39	26 20 42
	FEB.	25 7 23	25 6 49
	MAR.	25 20 7	25 16 38
	APRIL	24 8 51	24 2 43
	MAY	23 21 35	23 18 50
	JUNE	22 10 19	22 2 31
	JULY	21 23 3	21 17 0
	AUG.	20 11 47	20 8 54
	SEPT.	19 0 31	19 1 31
	OCT.	18 13 15	18 17 58
	NOV.	17 1 59	17 9 30
	DEC.	16 14 43	16 23 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1865.		d. h. m.	d. h. m.
C. March. d. h. m. 8 16 21	JAN. .	15 8 27	15 12 17
	FEB. .	13 16 11	13 22 57
	MAR. .	15 4 55	15 8 22
	○	29 23 17	30 6 35
	APRIL	13 17 39	13 16 50
	MAY .	13 6 23	13 1 5
	JUNE .	11 19 7	11 10 7
	JULY .	11 7 51	10 20 51
	AUG. .	9 20 35	9 9 57
	SEPT. .	8 9 19	8 1 32
	○	23 3 41	23 0 41
	OCT. .	7 22 3	7 19 0
	NOV. .	6 10 47	6 13 17
	DEC. .	5 23 31	6 7 4
1866. B. 8 22 10	JAN. .	4 12 16	4 23 13
	FEB. .	3 1 0	3 13 3
	MAR. .	4 13 44	5 0 25
	○	19 8 6	19 6 39
	APRIL	3 2 28	3 9 38
	MAY .	2 15 12	2 17 20
	JUNE .	1 3 56	1 0 28
		30 16 40	30 8 1
	JULY .	30 5 24	29 17 9
	AUG. .	28 18 8	28 4 47
	○	12 12 30	12 16 19
	SEPT. .	27 6 52	26 19 22
	OCT. .	26 19 36	26 12 44
	NOV. .	25 8 20	25 7 47
	DEC. .	24 21 4	25 3 2
1867. A. 9 3 59	JAN. .	23 9 48	23 20 52
	FEB. .	21 22 32	22 12 9
	○	8 16 54	8 11 11
	MAR. .	23 11 16	24 0 27
	APRIL	22 0 0	22 10 1
	MAY .	21 12 44	21 17 39
	JUNE .	20 1 28	20 0 21
	JULY .	19 14 12	19 7 13
	AUG. .	18 2 56	17 15 22
	○	1 21 18	2 2 55
	SEPT. .	16 15 40	16 1 46
	OCT. .	16 4 24	15 15 8
	NOV. .	14 17 8	14 7 31
	DEC. .	14 5 52	14 2 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1868.		d. h. m.	d. h. m.
G.F. March. d. h. m. 8 9 48	JAN. .	12 18 37	12 21 46
	FEB. .	11 7 21	11 16 33
	MAR. .	11 20 5	12 9 4
	APRIL	10 8 49	10 22 33
	MAY .	9 21 33	10 9 7
	JUNE .	8 10 17	8 17 23
	JULY .	7 23 1	8 0 25
	AUG. .	6 11 45	6 7 21
	SEPT. .	5 0 29	4 15 13
	OCT. .	4 13 13	4 0 45
	NOV. .	3 1 57	2 13 7
	DEC. .	2 14 41	2 4 3
		...	31 21 23
1869. E. 8 15 37	JAN. ○	1 3 26	...
		15 21 48	16 4 10
		30 16 10	30 16 2
	FEB. .	...	...
	MAR. .	1 4 54	1 10 39
		30 17 33	31 3 49
	APRIL	29 6 22	29 18 32
	MAY .	28 19 6	29 6 31
	JUNE .	27 7 50	27 16 8
	○	12 2 12	11 16 23
	JULY .	26 20 34	27 0 16
	AUG. .	25 9 18	25 7 58
	SEPT. .	23 22 2	23 16 13
	OCT. .	23 10 46	23 1 46
	NOV. .	21 23 30	21 13 9
	DEC. .	21 12 14	21 2 33
1870. D. 8 21 26	○	5 6 36	5 17 16
	JAN.	20 0 58	19 17 51
	FEB.	18 13 42	18 10 36
	MAR. .	20 2 26	20 3 56
	APRIL	18 15 10	18 20 53
	MAY .	18 3 54	18 12 25
	JUNE .	16 16 38	17 1 58
	○	1 11 0	1 0 57
	JULY .	16 5 22	16 13 23
	AUG. .	14 18 6	14 23 24
	SEPT. .	13 6 50	13 8 36
	OCT. .	12 19 34	12 17 51
	NOV. .	11 8 18	11 3 47
	DEC. .	10 21 2	10 14 42
	○	25 15 24	25 23 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1871. C. March. d. h. m. 9 3 14	JAN.	9 9 47	9 2 45
	FEB.	7 22 31	7 15 55
	MAR.	9 11 15	9 6 12
	APRIL	7 23 59	7 21 23
	MAY	7 12 48	7 13 9
	JUNE	6 1 27	6 4 47
	○	20 19 49	20 15 56
	JULY	5 14 11	5 19 37
	AUG.	4 2 55	4 9 13
	SEPT.	2 15 39	2 21 30
	OCT.	2 4 23	2 8 48
		31 17 7	31 19 36
	NOV.	30 5 51	30 6 21
	DEC.	29 18 35	29 17 11
1872. B.A. 8 9 3	JAN.	28 7 20	28 4 10
	FEB.	26 20 4	26 15 23
	MAR.	27 8 48	27 3 8
	APRIL	25 21 32	25 15 50
	○	10 15 54	11 1 46
	MAY	25 10 16	25 5 40
	JUNE	23 23 0	23 20 34
	JULY	23 11 44	23 12 3
	AUG.	22 0 23	22 3 28
	SEPT.	20 13 12	20 18 13
	OCT.	20 1 56	20 8 3
	○	3 20 18	3 7 33
	NOV.	18 14 40	18 20 50
	DEC.	18 3 24	18 8 48
1873. G. 8 14 52	JAN.	16 16 8	16 19 52
	FEB.	15 4 52	15 6 8
	MAR.	16 17 36	16 15 49
	APRIL	15 6 20	15 1 25
	○	30 0 42	30 13 42
	MAY	14 19 4	14 11 40
	JUNE	13 7 48	12 23 19
	JULY	12 20 32	12 12 49
	AUG.	11 9 16	11 4 7
	SEPT.	9 22 0	9 20 40
	OCT.	9 10 44	9 13 35
	○	24 5 6	23 17 58
	NOV.	7 23 28	8 5 56
	DEC.	7 12 12	7 21 2

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1874. F. March. d. h. m. 8 20 41	JAN.	6 0 57	6 10 28
	FEB.	4 13 41	4 22 5
	MAR.	6 2 25	6 8 1
	APRIL	4 15 9	4 16 41
	○	19 9 31	19 18 15
	MAY	4 3 53	4 0 45
	JUNE	2 16 37	2 9 4
	JULY	2 5 21	1 18 42
		31 18 5	31 6 32
	AUG.	30 6 49	29 20 56
	SEPT.	28 19 33	28 13 44
	○	13 13 55	13 9 24
	OCT.	28 8 17	28 7 57
	NOV.	26 21 1	27 2 21
	DEC.	26 9 45	26 19 34
1875. E. 9 2 30	JAN.	24 22 29	25 10 40
	FEB.	23 11 13	23 23 12
	MAR.	24 23 58	25 9 19
	APRIL	23 12 42	23 17 30
	MAY	23 1 26	23 0 40
	JUNE	21 14 10	21 7 47
	JULY	21 2 54	20 15 57
	AUG.	19 15 33	19 2 15
	SEPT.	18 4 22	17 15 24
	OCT.	17 17 6	17 7 34
	NOV.	16 5 50	16 2 2
	DEC.	15 18 34	15 21 30
1876. D.C. 8 8 19	JAN.	14 7 18	14 16 16
	FEB.	12 20 2	13 8 55
	○	27 14 24	27 8 41
	MAR.	13 8 46	13 22 33
	APRIL	11 21 30	12 9 24
	MAY	11 10 14	11 17 48
	JUNE	9 22 58	10 0 47
	JULY	9 11 42	9 7 26
	AUG.	8 0 26	7 14 51
	○	22 18 48	22 23 45
	SEPT.	6 13 10	6 0 5
	OCT.	6 1 54	5 12 0
	NOV.	4 14 38	4 2 58
	DEC.	4 3 22	3 20 39

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1877. B.	JAN. .	2 16 7	2 15 58
	FEB. .	1 4 51	1 11 16
March. d. h. m. 8 14 7	○	15 23 13	15 21 51
	MAR. .	2 17 35	3 4 58
	APRIL	1 6 19	1 19 57
		30 19 3	1 7 53
	MAY .	30 7 47	30 17 8
	JUNE .	28 20 31	29 0 41
	JULY .	28 9 15	28 7 38
	○	12 3 37	12 1 44
	AUG. .	26 21 59	26 15 2
	SEPT. .	25 10 43	24 23 50
	OCT. .	24 23 27	24 10 49
	NOV. .	23 12 11	23 0 26
	DEC. .	23 0 55	22 16 35
1878. A.	JAN. .	21 13 40	21 10 36
	○	5 8 2	5 13 53
	FEB. .	20 2 24	20 5 14
8 19 56	MAR. .	21 15 8	21 23 7
	APRIL	20 3 52	20 15 2
	MAY .	19 16 36	20 4 21
	JUNE .	18 5 20	18 15 8
	JULY .	17 18 4	17 23 59
	○	1 12 26	1 2 41
	AUG. .	16 6 48	16 7 57
	SEPT. .	14 19 32	14 16 1
	OCT. .	14 3 16	14 1 0
	NOV. .	12 21 0	12 11 33
	DEC. .	12 9 44	11 23 56
1879. G.	JAN. .	10 22 28	10 14 12
	FEB. .	9 11 12	9 6 5
9 1 45	MAR. .	10 23 56	10 22 58
	APRIL	9 12 40	9 16 2
	MAY .	9 1 24	9 8 12
	JUNE .	7 14 8	7 22 48
	JULY .	7 2 52	7 11 24
	AUG. .	5 15 36	5 22 14
	SEPT. .	4 4 20	4 7 56
	OCT. .	3 17 4	3 17 18
	NOV. .	2 5 48	2 3 8
	DEC. ○	1 18 32	1 13 34
		16 12 54	16 18 44
		31 7 16	31 1 0

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1880. F.E. March. d. h. m. 8 7 34	JAN. .	29 20 1	29 13 27
	FEB. .	28 8 45	28 2 54
	MAR. .	28 21 29	28 17 23
	APRIL	27 10 13	27 8 39
	MAY .	26 22 57	27 0 17
	○	10 17 19	10 16 17
	JUNE .	25 11 41	25 15 35
	JULY .	25 0 25	25 5 59
	AUG. .	23 13 9	23 19 8
	SEPT. .	22 1 53	22 7 9
	OCT. .	21 14 37	21 18 26
	NOV. .	20 3 21	20 5 23
	○	4 21 43	4 18 2
	DEC. .	19 16 5	19 16 14
1881. D. 8 13 23	JAN. .	18 4 49	18 3 5
	FEB. .	16 17 33	16 13 58
	MAR. .	18 6 17	18 1 7
	APRIL	16 19 1	16 13 0
	MAY .	16 7 45	16 1 59
	○	31 2 7	31 9 23
	JUNE .	14 20 29	14 16 15
	JULY .	14 9 13	14 7 30
	AUG. .	12 21 57	12 23 9
	SEPT. .	11 10 41	11 14 35
	OCT. .	10 23 25	11 5 11
	NOV. .	9 12 9	9 18 47
	○	24 6 31	23 19 30
	DEC. .	9 0 53	9 7 21
1882. C. 8 19 12	JAN. .	7 13 38	7 18 54
	FEB. .	6 2 22	6 5 33
	MAR. .	7 15 6	7 15 12
	APRIL	6 3 50	6 0 30
	MAY .	5 16 34	5 10 5
	JUNE .	4 5 18	3 20 45
	JULY .	3 18 2	3 9 10
	AUG. .	2 6 46	1 23 35
		31 19 30	31 15 44
	SEPT. .	30 8 14	30 8 49
	OCT. .	29 20 58	30 1 50
	NOV. .	28 9 42	28 17 52
	DEC. .	27 22 26	23 8 18

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1883.		d. h. m.	d. h. m.
B. March. d. h. m. 9 1 0	JAN.	26 11 11	26 20 51
	FEB.	24 23 55	25 7 30
	MAR.	26 12 39	26 16 34
	○	10 7 1	10 13 37
	APRIL	25 1 23	25 0 37
	MAY	24 14 7	24 8 30
	JUNE	23 2 51	22 17 13
	JULY	22 15 35	22 8 47
	AUG.	21 4 19	20 16 54
	SEPT.	19 17 8	19 8 40
	○	4 11 25	4 8 58
	OCT.	19 5 47	19 2 30
	NOV.	17 18 31	17 21 10
	DEC.	17 7 15	17 15 17
1884. A.G. 8 6 49	JAN.	15 19 59	16 7 38
	FEB.	14 8 43	14 21 27
	MAR.	14 21 27	15 8 36
	○	29 15 49	29 13 52
	APRIL	13 10 11	13 17 32
	MAY	12 22 55	13 0 58
	JUNE	11 11 39	11 7 52
	JULY	11 0 23	10 15 19
	AUG.	9 13 7	9 0 26
	SEPT.	8 1 51	7 12 7
	○	22 20 13	23 0 15
	OCT.	7 14 35	7 2 54
	NOV.	6 8 19	5 20 27
	DEC.	5 16 8	5 15 42
1885. F. 8 12 38	JAN.	4 4 48	4 11 5
	FEB.	2 17 32	3 4 56
	MAR.	4 6 16	4 20 8
	○	19 0 38	18 18 59
	APRIL	2 19 0	3 8 15
	MAY	2 7 44	2 17 33
		31 20 28	1 1 9
	JUNE	30 9 12	30 7 48
	JULY	29 21 56	29 14 45
	AUG.	28 10 40	27 23 1
	○	12 5 2	12 10 19
	SEPT.	26 23 24	26 9 36
	OCT.	26 12 8	25 23 7
	NOV.	25 0 52	24 15 34
	DEC.	24 13 36	24 10 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1886.		d. h. m.	d. h. m.
E. March. d. h. m. 8 18 27	JAN.	23 2 21	23 5 40
	FEB.	21 15 5	22 0 16
	MAR.	23 3 49	23 16 35
	APRIL	21 16 33	22 5 57
	MAY	21 5 17	21 16 27
	JUNE	19 18 1	20 0 45
	JULY	19 6 45	19 7 56
	AUG.	17 19 29	17 15 4
	SEPT.	16 8 13	15 23 12
	OCT.	15 20 57	15 9 11
	NOV.	14 9 41	13 21 31
	DEC.	13 22 25	13 12 24
1887. D. 9 0 16	JAN.	12 11 9	12 5 23
	○	27 5 31	27 12 57
	FEB.	10 23 53	10 23 45
	MAR.	12 12 37	12 18 1
	APRIL	11 1 21	11 10 53
	MAY	10 14 5	11 1 30
	JUNE	9 2 49	9 13 31
	JULY	8 15 33	8 23 20
	○	23 9 55	22 23 10
	AUG.	7 4 17	7 7 46
	SEPT.	5 17 1	5 15 51
	OCT.	5 5 45	5 0 30
	NOV.	3 18 29	3 10 23
	DEC.	3 7 13	2 21 52
1888. C.B. 8 6 5	JAN. ○	1 19 57	1 11 8
		16 14 19	17 1 51
		31 8 41	31 2 2
	FEB.	29 21 26	29 18 17
	MAR.	30 10 10	30 11 6
	APRIL	28 22 54	29 3 33
	MAY	28 11 38	28 19 3
	JUNE	27 0 22	27 8 44
	○	11 18 44	11 8 8
	JULY	26 13 6	26 20 34
	AUG.	25 1 50	25 6 58
	SEPT.	23 14 34	23 16 39
	OCT.	23 3 18	23 2 22
	NOV.	21 16 2	21 12 37
	DEC.	21 4 46	20 23 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1889.		d. h. m.	d. h. m.
A.	○	4 23 8	5 7 54
	JAN.	19 17 30	19 11 27
March. d. h. m. 8 11 53	FEB.	18 6 14	18 0 8
	MAR.	19 18 59	19 13 49
	APRIL	18 7 43	18 4 26
	MAY	17 20 27	17 19 45
	JUNE	16 9 11	16 11 14
	○	1 8 33	30 23 22
	JULY	15 21 55	16 2 14
	AUG.	14 10 39	14 16 14
	SEPT.	12 23 28	13 5 5
	OCT.	12 12 7	12 16 57
	NOV.	11 0 51	11 4 17
	DEC.	10 13 35	10 15 17
1890.	JAN.	9 2 19	9 2 9
G.	FEB.	7 15 3	7 12 47
8 17 42	MAR.	9 3 47	8 23 31
	APRIL	7 16 31	7 10 44
	MAY	7 5 15	6 22 51
	○	21 23 37	22 9 12
	JUNE	5 17 59	5 12 16
	JULY	5 6 43	5 3 0
	AUG.	3 19 27	3 18 38
	SEPT.	2 8 11	2 10 28
	OCT.	1 20 55	2 1 49
		31 9 39	31 16 14
	○	15 4 1	14 15 47
	NOV.	29 22 23	30 5 33
	DEC.	29 11 7	29 17 42
1891.	JAN.	27 23 52	28 4 43
F.	FEB.	26 12 36	26 14 40
8 23 31	MAR.	28 1 20	27 23 54
	APRIL	26 14 4	26 9 0
	○	11 8 26	11 20 50
	MAY	26 2 48	25 18 48
	JUNE	24 15 32	24 6 6
	JULY	24 4 16	23 19 28
	AUG.	22 17 0	22 10 54
	SEPT.	21 5 44	21 3 48
	OCT.	20 18 28	20 21 13
	○	4 12 50	4 2 30
	NOV.	19 7 12	19 14 6
	DEC.	18 19 56	19 5 35

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1892.		d. h. m.	d. h. m.
E.D.	JAN.	17 8 41	17 19 11
March. d. h. m. 8 5 20	FEB.	15 21 25	16 6 41
	MAR.	16 10 9	16 16 20
	APRIL	14 22 53	15 0 37
	○	29 17 15	30 1 4
	MAY	14 11 37	14 8 17
	JUNE	13 0 21	12 16 18
	JULY	12 13 5	12 1 45
	AUG.	11 1 49	10 13 31
	SEPT.	9 14 33	9 4 3
	OCT.	9 3 17	8 21 5
	○	23 21 39	23 17 57
	NOV.	7 16 1	7 15 41
	DEC.	7 4 45	7 10 26
1893.	JAN.	5 17 29	6 3 54
C.	FEB.	4 6 13	4 19 3
8 11 9	MAR.	5 18 57	6 7 27
	APRIL	4 7 41	4 17 17
	MAY	3 20 25	4 1 14
	JUNE	2 9 9	2 8 10
	JULY	1 21 58	1 15 9
		31 10 37	30 23 16
	AUG.	29 23 21	29 9 38
	SEPT.	28 12 5	27 22 55
	OCT.	28 0 49	27 15 14
	NOV.	26 13 33	26 9 53
	DEC.	26 2 17	26 5 28
1894.	JAN.	24 15 2	25 0 18
B.	FEB.	23 3 46	23 16 52
	○	9 22 8	9 16 44
8 16 58	MAR.	24 16 30	25 6 27
	APRIL	23 5 14	23 17 3
	MAY	22 17 58	23 1 19
	JUNE	21 6 42	21 8 14
	JULY	20 19 26	20 14 56
	AUG.	19 8 10	18 22 28
	○	3 2 32	3 6 55
	SEPT.	17 20 54	17 7 55
	OCT.	17 9 38	16 19 59
	NOV.	15 22 22	15 11 3
	DEC.	15 11 6	15 4 44

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1895.		*d. h. m.*	*d. h. m.*
A.	JAN. .	13 23 50	13 23 53
March.	FEB. .	12 12 34	12 19 0
d. h. m.	○	27 6 56	27 6 20
8 22 46	MAR. .	14 1 18	14 12 29
	APRIL	12 14 2	13 3 18
	MAY .	12 2 46	12 15 8
	JUNE .	10 15 30	11 0 26
	JULY .	10 4 14	10 8 6
	AUG. .	8 16 58	8 15 14
	○	23 11 20	23 8 30
	SEPT. .	7 5 42	6 22 55
	OCT. .	6 18 26	6 8 2
	NOV. .	5 7 10	4 19 15
	DEC. .	4 19 54	4 8 52
1896.	JAN. .	3 8 39	3 0 51
G.F.	FEB. .	1 21 23	1 18 30
	○	16 15 45	16 22 30
8 4 35	MAR. .	2 10 7	2 12 43
		31 22 51	1 6 15
	APRIL	30 11 35	30 21 57
	MAY .	30 0 19	30 11 16
	JUNE .	28 13 3	28 22 12
	JULY .	28 1 47	28 7 21
	○	11 20 9	11 9 30
	AUG. .	26 14 31	26 15 41
	SEPT. .	25 3 15	25 0 10
	OCT. .	24 15 59	24 9 32
	NOV. .	23 4 43	22 20 17
	DEC. .	22 17 27	22 8 38
1897.	JAN. .	21 6 11	20 22 35
E.	FEB. .	19 18 56	19 13 58
8 10 24	MAR. .	21 7 40	21 6 18
	APRIL	19 20 24	19 22 52
	MAY .	19 9 8	19 14 50
	JUNE .	17 21 52	18 5 26
	JULY .	17 10 36	17 18 18
	AUG. .	15 23 20	16 5 35
	SEPT. .	14 12 4	14 15 48
	OCT. .	14 0 48	14 1 41
	NOV. .	12 13 32	12 11 49
	DEC. .	12 2 16	11 22 31
	○	26 20 38	27 2 48

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1898.		*d. h. m.*	*d. h. m.*
D.	JAN. .	10 15 0	10 9 51
March.	FEB. .	9 3 44	8 21 54
d. h. m.	MAR. .	10 16 28	10 10 46
8 16 13	APRIL	9 5 12	9 0 37
	MAY .	8 17 56	8 15 23
	JUNE .	7 6 40	7 6 44
	○	22 1 2	21 23 43
	JULY .	6 19 24	6 22 3
	AUG. .	5 8 8	5 12 46
	SEPT. .	3 20 52	4 2 27
	OCT. .	3 9 36	3 15 5
	NOV. .	1 22 20	2 2 55
		1 11 4	1 14 14
	DEC. ○	16 5 26	16 1 59
		30 23 48	31 1 13
1899.	JAN. .	29 12 32	29 11 52
C.	FEB. .	28 1 16	27 22 21
8 22 2	MAR. .	29 14 1	29 8 59
	APRIL	28 2 45	27 20 16
	MAY .	27 15 29	27 8 45
	○	11 9 51	11 16 47
	JUNE .	26 4 13	25 22 44
	JULY .	25 16 57	25 12 1
	AUG. .	24 5 41	24 5 59
	SEPT. .	22 18 25	22 21 55
	OCT. .	22 7 9	22 13 9
	NOV. .	20 19 53	21 3 18
	○	5 14 15	5 3 48
	DEC. .	20 8 37	20 16 11
1900.	JAN. .	18 21 22	19 3 46
B.A.	FEB. .	17 10 6	17 14 6
8 3 51	MAR. .	17 22 50	17 23 28
	APRIL	16 11 34	16 8 17
	MAY .	16 0 18	15 17 24
	○	30 18 40	31 5 57
	JUNE .	14 13 2	14 3 41
	JULY .	14 1 46	13 15 58
	AUG. .	12 14 30	12 6 20
	SEPT. .	11 3 14	10 22 44
	OCT. .	10 15 58	10 16 15
	NOV. .	9 4 42	9 9 47
	DEC. .	8 17 26	9 2 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1901.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 8 9 39	JAN. .	7 6 10	7 16 58
	FEB. .	5 18 54	6 5 29
	MAR. .	7 7 38	7 15 54
	APRIL	5 20 22	6 0 36
	MAY .	5 9 6	5 8 17
	JUNE .	3 21 50	3 15 51
	JULY .	3 10 34	3 0 21
	AUG. .	1 23 18	1 10 48
		31 12 2	30 23 58
	SEPT. .	30 0 46	29 15 57
	○	14 19 8	14 17 43
	OCT. .	29 13 30	29 10 4
	NOV. .	28 2 14	28 5 5
	DEC. .	27 14 58	27 23 31
1902. F. 8 15 28	JAN. .	26 3 43	26 15 58
	FEB. .	24 16 27	25 5 43
	MAR. .	26 5 11	26 16 40
	○	9 23 33	9 20 59
	APRIL	24 17 55	25 1 19
	MAY .	24 6 39	24 8 32
	JUNE .	22 19 23	22 15 16
	JULY .	22 8 7	21 22 41
	AUG. .	20 20 51	20 7 50
	SEPT. .	19 9 35	18 19 40
	○	4 3 57	4 8 21
	OCT. .	18 22 19	18 10 35
	NOV. .	17 11 3	17 4 17
	DEC. .	16 23 47	16 23 40
1903. E. 8 21 17	JAN. .	15 12 32	15 19 6
	FEB. .	14 1 16	14 12 54
	MAR. .	15 14 0	16 3 57
	○	30 8 22	30 2 40
	APRIL	14 2 44	14 15 54
	MAY .	13 15 28	14 1 10
	JUNE .	12 4 12	12 8 36
	JULY .	11 16 56	11 15 17
	AUG. .	10 5 40	9 22 21
	SEPT. .	8 18 24	8 6 49
	○	28 12 46	28 17 50
	OCT. .	8 7 8	7 17 36
	NOV. .	6 19 52	6 7 14
	DEC. .	6 8 36	5 23 41

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1904.		*d. h. m.*	*d. h. m.*
D.C. March. *d. h. m.* 8 3 6	JAN. .	4 21 20	4 18 13
	FEB. .	3 10 4	3 13 27
	MAR. .	3 22 48	4 7 47
	APRIL	2 11 32	2 23 55
	MAY .	2 0 16	2 13 11
		31 18 0	31 23 39
	JUNE .	30 1 44	30 8 3
	JULY .	29 14 28	29 15 26
	AUG. .	28 3 12	27 22 53
	SEPT. .	26 15 56	26 7 21
	OCT. .	26 4 40	25 17 35
	NOV. .	24 17 24	24 6 1
	DEC. .	24 6 8	23 20 48
1905. B. 8 8 55	JAN. .	22 18 53	22 13 33
	○	6 13 15	6 21 40
	FEB. .	21 7 37	21 7 25
	MAR. .	22 20 21	23 1 14
	APRIL	21 9 5	21 17 50
	MAY .	20 21 49	21 8 21
	JUNE .	19 10 33	19 20 23
	JULY .	18 23 17	19 6 33
	○	2 17 39	2 6 3
	AUG. .	17 12 1	17 15 22
	SEPT. .	16 0 45	15 23 53
	OCT. .	15 13 29	15 8 56
	NOV. .	14 2 13	13 19 6
	DEC. .	13 14 57	13 6 39
1906. A. 8 14 44	JAN. .	12 3 41	11 19 42
	○	26 22 3	27 10 20
	FEB. .	10 16 25	10 10 10
	MAR. .	12 5 9	12 1 48
	APRIL	10 17 53	10 18 5
	MAY .	10 6 37	10 10 16
	JUNE .	8 19 21	9 1 33
	JULY .	8 8 5	8 15 27
	○	23 2 27	22 15 21
	AUG. .	6 20 49	7 3 41
	SEPT. .	5 9 33	5 14 36
	OCT. .	4 22 17	5 0 50
	NOV. .	3 11 1	3 11 2
	DEC. .	2 23 45	2 21 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1907. G.		*d. h. m.*	*d. h. m.*
	JAN. ○	1 12 29	1 8 32
		16 6 51	16 16 1
		31 1 13	30 20 4
March. *d. h. m.* 8 20 32	FEB. .	...	...
	MAR. .	1 13 58	1 8 16
		31 2 42	30 21 19
	APRIL	29 15 26	29 11 22
	MAY .	29 4 10	29 2 17
	JUNE .	27 16 54	27 17 40
	○	12 11 16	12 6 47
	JULY .	27 5 38	27 8 51
	AUG. .	25 18 22	25 23 18
	SEPT. .	24 7 6	24 12 45
	OCT. .	23 19 50	24 1 14
	NOV. .	22 8 34	22 13 1
	DEC. .	21 21 18	22 0 15
1908. F.E. 8 2 21	JAN. .	20 10 3	20 11 2
	FEB. .	18 22 47	18 21 26
	MAR. .	19 11 31	19 7 39
	APRIL	18 0 15	17 18 15
	MAY .	17 12 59	17 5 49
	JUNE .	16 1 43	15 18 54
	JULY .	15 14 27	15 9 32
	AUG. .	14 3 11	14 1 19
	SEPT. .	12 15 55	12 17 35
	OCT. .	12 4 39	12 9 31
	NOV. .	10 17 23	11 0 32
	DEC. .	10 6 7	10 14 15
1909. D. 8 8 10	JAN. .	8 18 51	9 2 33
	FEB. .	7 7 35	7 13 26
	MAR. .	8 20 19	8 23 4
	APRIL	7 9 3	7 7 51
	MAY .	6 21 47	6 16 28
	○	21 16 9	22 3 49
	JUNE .	5 10 31	5 1 51
	JULY .	4 23 15	4 12 54
	AUG. .	3 11 59	3 2 12
	SEPT. .	2 0 43	1 17 46
	OCT. .	1 13 27	1 11 3
		31 2 11	31 4 57
	○	14 20 33	14 11 9
	NOV. .	29 14 55	29 22 19
	DEC. .	29 3 39	29 14 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1910. C. March. *d. h. m.* 8 13 59		*d. h. m.*	*d. h. m.*
	JAN. .	27 16 24	28 3 47
	FEB. .	26 5 8	26 15 8
	MAR. .	27 17 52	28 0 29
	APRIL	26 6 36	26 8 25
	○	11 0 58	11 7 46
	MAY .	25 19 20	25 15 45
	JUNE .	24 8 4	23 23 31
	JULY .	23 20 48	23 8 50
	AUG. .	22 9 32	21 20 37
	SEPT. .	20 22 16	20 11 16
	OCT. .	20 11 0	20 4 34
	○	4 5 22	4 2 36
	NOV. .	18 23 44	18 23 29
	DEC. .	18 12 28	18 18 32
1911. B. 8 19 48	JAN. .	17 1 12	17 12 9
	FEB. .	15 13 56	16 3 17
	MAR. .	17 2 41	17 15 32
	APRIL	15 15 25	16 1 10
	MAY .	15 4 9	15 8 51
	JUNE .	13 16 58	13 15 37
	JULY .	13 5 37	12 22 32
	AUG. .	11 18 21	11 6 43
	SEPT. .	10 7 5	9 17 10
	OCT. .	9 19 49	9 6 37
	NOV. .	8 8 33	7 23 5
	DEC. .	7 21 17	7 17 51
1912. A.G. 8 1 37	JAN. .	6 10 1	6 13 28
	FEB. .	4 22 45	5 8 13
	MAR. .	5 11 29	6 0 40
	○	20 5 51	20 0 40
	APRIL	4 0 13	4 14 6
	MAY .	3 12 57	4 0 34
	JUNE .	2 1 41	2 8 44
	JULY .	1 14 25	1 15 39
		31 3 9	30 22 29
	AUG. .	29 15 53	29 6 14
	○	13 10 15	13 14 10
	SEPT. .	28 4 37	27 15 53
	OCT. .	27 17 21	27 4 8
	NOV. .	26 6 5	25 19 15
	DEC. .	25 18 49	25 12 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1913. F.		d. h. m.	d. h. m.
	JAN.	24 7 34	24 7 46
	FEB.	22 20 18	23 2 36
March. d. h. m. 8 7 25	○	9 14 40	9 14 43
	MAR.	24 9 2	24 19 50
	APRIL	22 21 46	23 10 31
	MAY	22 10 30	22 22 18
	JUNE	20 23 14	21 7 40
	JULY	20 11 58	20 15 32
	AUG.	19 0 42	18 22 58
	○	2 19 4	2 15 22
	SEPT.	17 13 26	17 7 0
	OCT.	17 2 10	16 16 25
	NOV.	15 14 54	15 3 47
	DEC.	15 3 38	14 17 24
1914. E.	JAN.	13 16 23	13 9 7
	FEB.	12 5 7	12 2 19
	○	26 23 29	27 7 3
8 13 14	MAR.	13 17 51	13 20 3
	APRIL	12 6 35	12 13 13
	MAY	11 19 19	12 4 46
	JUNE	10 8 3	10 18 7
	JULY	9 20 47	10 5 16
	AUG.	8 9 31	8 14 48
	○	23 3 53	22 16 28
	SEPT.	6 22 15	6 23 34
	OCT.	6 10 59	6 8 29
	NOV.	4 23 43	4 18 13
	DEC.	4 12 27	4 5 6
1915. D.	JAN.	3 1 11	2 17 21
	FEB.	1 13 55	1 6 56
8 19 8	MAR.	3 2 39	2 21 45
	APRIL	1 15 23	1 13 30
	MAY	1 4 7	1 5 36
		30 16 51	30 21 22
	JUNE	29 5 35	29 12 2
	JULY	28 18 19	29 1 14
	AUG.	27 7 3	27 13 0
	SEPT.	25 19 47	25 23 47
	OCT.	25 8 31	25 10 10
	NOV.	23 21 15	23 20 33
	DEC.	23 9 59	23 7 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1916. C.R.		d. h. m.	d. h. m.
	○	7 4 22	7 10 52
	JAN.	21 22 44	21 18 39
March. d. h. m. 8 0 52	FEB.	20 11 23	20 6 15
	MAR.	21 0 12	20 18 33
	APRIL	19 12 56	19 7 47
	MAY	19 1 40	18 22 5
	JUNE	17 14 24	17 13 12
	○	2 8 46	2 7 9
	JULY	17 3 8	17 4 36
	AUG.	15 15 52	15 19 39
	SEPT.	14 4 36	14 9 53
	OCT.	13 17 20	13 23 8
	NOV.	12 6 4	12 11 30
	DEC.	11 18 48	11 23 9
	○	26 13 10	26 10 1
1917. A.	JAN.	10 7 33	10 10 11
	FEB.	8 20 17	8 20 37
8 6 41	MAR.	10 9 1	10 6 39
	APRIL	8 21 45	8 16 43
	MAY	8 10 29	8 3 27
	JUNE	6 23 13	6 15 32
	○	21 17 35	22 0 6
	JULY	6 11 57	6 5 17
	AUG.	5 0 41	4 20 37
	SEPT.	3 13 25	3 12 55
	OCT.	3 2 9	3 5 23
	NOV.	1 14 53	1 21 13
	DEC.	1 3 37	1 11 51
	○	15 21 59	15 12 9
		30 16 21	31 1 0
1918. G.	JAN.	29 5 5	29 12 33
	FEB.	27 17 49	27 22 39
8 12 30	MAR.	29 6 33	29 7 34
	APRIL	27 19 17	27 15 57
	MAY	27 8 1	27 0 38
	○	11 2 23	11 12 57
	JUNE	25 20 45	25 10 36
	JULY	25 9 29	24 22 39
	AUG.	23 22 13	23 13 10
	SEPT.	22 10 57	22 5 50
	OCT.	21 23 41	21 23 46
	NOV.	20 12 25	20 17 49
	DEC.	20 1 9	20 10 40

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1919.		d. h. m.	d. h. m.
F. March. d. h. m. 8 18 18	JAN.	18 18 54	19 1 32
	FEB.	17 2 38	17 18 59
	MAR.	18 15 22	19 0 9
	APRIL	17 4 6	17 8 32
	MAY	16 16 50	16 15 52
	JUNE	15 5 34	14 23 10
	JULY	14 18 18	14 7 31
	AUG.	13 7 2	12 17 57
	SEPT.	11 19 46	11 7 13
	OCT.	11 8 30	10 23 23
	○	26 2 52	26 1 56
	NOV.	9 21 14	9 17 48
	DEC.	9 9 58	9 13 5
1920. E.D. 8 0 7	JAN.	7 22 42	8 7 40
	FEB.	6 11 26	7 0 10
	MAR.	7 0 10	7 13 48
	APRIL	5 12 54	6 0 34
	○	20 7 16	20 4 0
	MAY	5 1 38	5 8 59
	JUNE	3 14 22	3 16 1
	JULY	3 3 6	2 22 41
	AUG.	1 15 50	1 6 7
		31 4 34	30 15 23
	SEPT.	29 17 18	29 3 20
	○	14 11 40	14 16 32
	OCT.	29 6 2	28 18 25
	NOV.	27 18 46	27 12 12
	DEC.	27 7 30	27 7 37
1921. C. 8 5 56	JAN.	25 20 14	26 2 58
	FEB.	24 8 59	24 20 40
	MAR.	25 21 43	26 11 35
	○	9 16 5	9 10 15
	APRIL	24 10 27	24 23 24
	MAY	23 23 11	24 8 34
	JUNE	22 11 55	22 15 59
	JULY	22 0 39	21 22 47
	AUG.	20 13 23	20 6 3
	SEPT.	19 2 7	18 14 45
	○	3 20 29	4 1 26
	OCT.	18 14 51	18 1 44
	NOV.	17 3 35	16 15 23
	DEC.	16 16 19	16 7 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1922.		d. h. m.	d. h. m.
B. March. d. h. m. 8 11 45	JAN.	15 5 4	15 2 12
	FEB.	13 17 48	13 21 7
	MAR.	15 6 32	15 15 10
	APRIL	13 19 16	14 7 7
	MAY	13 8 0	13 20 18
	JUNE	11 20 44	12 6 50
	JULY	11 9 28	11 15 24
	AUG.	9 22 12	9 23 4
	SEPT.	8 10 56	8 6 51
	OCT.	7 23 40	7 15 39
	NOV.	6 12 24	6 2 6
	DEC.	6 1 8	5 14 37
1923. A. 8 17 34	JAN.	4 13 52	4 5 12
	FEB.	3 2 36	2 21 32
	○	17 20 58	18 6 14
	MAR.	4 15 20	4 14 55
	APRIL	3 4 4	3 8 18
	MAY	2 16 48	3 0 38
	JUNE	1 5 32	1 15 6
		30 18 16	1 3 24
	JULY	30 7 0	30 13 49
	○	14 1 22	13 13 1
	AUG.	28 19 44	28 23 4
	SEPT.	27 8 28	27 8 3
	OCT.	26 21 12	26 17 29
	NOV.	25 9 56	25 3 54
	DEC.	24 22 40	24 15 27
1924. G.F. 7 23 23	JAN.	23 11 24	23 4 14
	○	7 5 46	7 18 41
	FEB.	22 0 9	21 18 12
	MAR.	22 12 53	22 9 14
	APRIL	21 1 37	21 1 0
	MAY	20 14 21	20 16 52
	JUNE	19 3 5	19 8 9
	JULY	18 15 49	18 22 13
	○	2 10 11	1 22 42
	AUG.	17 4 33	17 10 54
	SEPT.	15 17 17	15 22 22
	OCT.	15 6 1	15 9 10
	NOV.	13 18 45	13 19 46
	DEC.	13 7 29	13 6 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1925. E.		d. h. m.	d. h. m.
March. d. h. m. 8 5 11	JAN.	11 20 14	11 17 27
	○	26 14 36	27 0 3
	FEB.	10 8 58	10 4 39
	MAR.	11 21 42	11 16 18
	APRIL	10 10 26	10 4 44
	MAY	9 23 10	9 18 14
	JUNE	8 11 54	8 8 50
	JULY	8 0 38	8 0 8
	○	22 19 0	22 14 17
	AUG.	6 13 22	6 15 34
	SEPT.	5 2 6	5 6 30
	OCT.	4 14 50	4 20 33
	NOV.	3 3 34	3 9 33
	DEC.	2 16 18	2 21 49
1926. D. 8 11 0	JAN.	1 5 2	1 9 12
		30 17 46	30 19 51
	FEB.	...	...
	MAR.	1 6 30	1 5 53
		30 19 14	30 15 36
	APRIL	29 7 58	29 1 39
	MAY	28 20 42	28 12 44
	JUNE	27 9 26	27 1 30
	JULY	26 22 10	26 16 5
	AUG.	25 10 54	25 8 5
	SEPT.	23 23 38	24 0 48
	OCT.	23 12 22	23 17 19
	NOV.	22 1 6	22 8 52
	DEC.	21 13 50	21 22 57
1927. C. 8 16 49	JAN.	20 2 35	20 11 22
	FEB.	18 15 19	18 22 5
	MAR.	20 4 3	20 7 21
	APRIL	18 16 47	18 15 41
	MAY	18 5 31	17 23 54
	○	1 23 53	2 10 44
	JUNE	16 18 15	16 8 57
	JULY	16 6 59	15 19 47
	AUG.	14 19 43	14 9 3
	SEPT.	13 8 27	13 0 48
	OCT.	12 21 11	12 18 47
	NOV.	11 9 55	11 12 48
	○	26 4 17	25 19 54
	DEC.	10 22 39	11 6 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1928. B.A.		d. h. m.	d. h. m.
March. d. h. m. 7 22 33	JAN.	9 11 24	9 22 33
	FEB.	8 0 8	8 12 15
	MAR.	8 12 52	8 23 29
	APRIL	7 1 36	7 8 30
	MAY	6 14 20	6 16 6
	○	21 8 42	21 14 23
	JUNE	5 3 4	4 23 11
	JULY	4 15 48	4 6 48
	AUG.	3 4 32	2 16 3
	SEPT.	1 17 16	1 3 52
	OCT.	1 6 0	30 18 41
		30 18 44	30 12 13
	○	14 13 6	14 11 24
	NOV.	29 7 28	29 7 23
	DEC.	28 20 12	29 2 36
1929. G. 8 4 27	JAN.	27 8 56	27 20 19
	FEB.	25 21 40	26 11 24
	MAR.	27 10 24	27 23 28
	APRIL	25 23 8	26 8 52
	MAY	25 11 52	25 16 23
	JUNE	24 0 36	23 23 3
	JULY	23 13 20	23 5 59
	AUG.	22 2 4	21 14 16
	SEPT.	20 14 48	20 0 52
	OCT.	20 3 32	19 14 27
	NOV.	18 16 16	18 7 1
	DEC.	18 5 0	18 1 48
1930. F. 8 10 16	JAN.	16 17 44	16 21 22
	FEB.	15 6 29	15 16 0
	MAR.	16 19 13	17 8 18
	○	31 13 35	31 8 29
	APRIL	15 7 57	15 21 36
	MAY	14 20 41	15 7 57
	JUNE	13 9 25	13 16 7
	JULY	12 22 9	12 23 8
	AUG.	11 10 53	11 6 8
	SEPT.	9 23 37	9 14 8
	○	24 17 59	24 21 33
	OCT.	9 12 21	9 0 1
	NOV.	8 1 5	7 12 26
	DEC.	7 13 49	7 3 31

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1931.		d. h. m.	d. h. m.
E. March. d. h. m. 8 16 4	JAN.	6 2 34	5 20 56
	FEB.	4 15 18	4 15 34
	MAR.	6 4 2	6 10 4
	○	20 22 24	20 22 56
	APRIL	4 16 46	5 8 8
	MAY	4 5 30	4 17 35
	JUNE	2 18 14	3 5 23
	JULY	2 6 58	2 14 55
		31 19 42	31 23 2
	AUG.	30 8 26	30 6 44
	○	14 2 48	13 22 23
	SEPT.	28 21 10	28 15 12
	OCT.	28 9 54	28 0 54
	NOV.	26 22 38	26 12 26
	DEC.	26 11 22	26 1 57
1932. D.C. 7 21 53	JAN.	25 0 6	24 17 17
	FEB.	23 12 50	23 10 0
	○	9 7 12	9 15 24
	MAR.	24 1 34	24 3 16
	APRIL	22 14 18	22 20 4
	MAY	22 3 2	22 11 29
	JUNE	20 15 46	21 0 55
	JULY	20 4 30	20 12 21
	AUG.	18 17 14	18 22 18
	○	2 11 36	1 23 34
	SEPT.	17 5 58	17 7 33
	OCT.	16 18 42	16 17 4
	NOV.	15 7 26	15 2 58
	DEC.	14 20 10	14 13 58

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1933.		d. h. m.	d. h. m.
B. March. d. h. m. 8 8 42	JAN.	13 8 55	13 2 3
	FEB.	11 21 39	11 15 13
	MAR.	13 10 23	13 5 26
	APRIL	11 23 7	11 20 36
	MAY	11 11 51	11 12 17
	JUNE	10 0 35	10 3 51
	JULY	9 13 19	9 18 39
	AUG.	8 2 3	8 8 13
	SEPT.	6 14 47	6 20 32
	OCT.	6 3 31	6 7 54
	NOV.	4 16 15	4 18 47
	DEC.	4 4 59	4 5 34
1934. A. 8 9 31	JAN.	2 17 43	2 16 25
	○	17 12 5	17 18 51
	FEB.	1 6 27	1 3 21
	MAR.	2 19 11	2 14 31
	APRIL	1 7 55	1 2 12
		30 20 39	30 14 51
	MAY	30 9 23	30 4 42
	JUNE	28 22 7	28 19 37
	○	13 16 29	13 14 37
	JULY	28 10 51	28 11 9
	AUG.	26 23 35	27 2 36
	SEPT.	25 12 19	25 17 25

TABLE

OF

VERNAL EQUINOXES AND NEW MOONS

IN

"*NEW STYLE*"

FROM THE ENGLISH REFORMATION OF THE CALENDAR
A.D. 1752 TO A.D. 1934.

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1752.		d. h. m.	d. h. m.
	JAN.		
	FEB.		
	MAR.		
	APRIL		
	MAY		
	JUNE		
	JULY		
	AUG.		
	SEPT.		
	OCT.	8 8 39	7 13 38
	NOV.	6 16 28	6 4 10
	DEC.	6 5 7	5 21 33
1753. G. March. d. h. m. 20 13 13	JAN.	4 17 51	4 16 44
	FEB.	3 6 35	3 12 11
	MAR.	4 19 19	5 6 14
	APRIL	3 8 3	3 21 39
	○	18 2 25	17 20 46
	MAY	2 20 47	3 10 0
	JUNE	1 9 31	1 19 35
		30 22 15	
	JULY	30 10 59	1 3 17 / 30 10 10
	AUG.	28 23 43	28 17 22
	SEPT.	27 12 27	27 1 51
	○	12 6 49	12 11 15
	OCT.	27 1 11	26 12 27
	NOV.	25 13 55	25 1 40
	DEC.	25 2 39	24 17 31
1754. F. 20 19 2	JAN.	23 15 24	23 11 30
	FEB.	22 4 8	22 6 16
	MAR.	23 16 52	24 0 26
	○	7 11 14	7 10 34
	APRIL	22 5 36	22 16 45
	MAY	21 18 20	22 6 27
	JUNE	29 7 4	20 17 28
	JULY	19 19 48	20 2 27
	AUG.	18 8 32	18 10 20
	SEPT.	16 21 16	16 18 12
	○	1 15 33	1 12 39
	OCT.	16 10 0	16 2 54
	NOV.	14 22 44	14 13 7
	DEC.	14 11 28	14 1 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1755. E. March. d. h. m. 21 0 50		d. h. m.	d. h. m.
	JAN.	13 0 12	12 15 22
	FEB.	11 12 56	11 7 13
	MAR.	13 1 40	13 0 14
	○	27 20 2	28 3 7
	APRIL	11 14 24	11 17 28
	MAY	11 3 8	11 9 58
	JUNE	9 15 52	10 0 47
	JULY	9 4 36	9 13 34
	AUG.	7 17 20	8 0 29
	SEPT.	6 6 4	6 10 6
	○	21 0 26	20 13 9
	OCT.	5 18 48	5 19 18
	NOV.	4 7 32	4 4 46
	DEC.	3 20 16	3 15 5
1756. D.C. 20 6 39	JAN.	2 9 0	2 2 26
		31 21 45	31 14 52
	FEB.	...	...
	MAR.	1 10 29	1 4 23
		30 23 13	30 18 56
	APRIL	29 11 57	29 10 20
	MAY	29 0 41	29 2 6
	JUNE	27 13 25	27 17 30
	JULY	27 2 9	27 7 56
	AUG.	25 14 53	25 21 5
	SEPT.	24 3 37	24 9 1
	OCT.	23 16 21	23 20 9
	NOV.	22 5 5	22 6 58
	DEC.	21 17 49	21 17 45
1757. B. 20 12 28	JAN.	20 6 34	20 4 39
	○	4 0 56	4 9 27
	FEB.	18 19 18	18 15 39
	MAR.	20 5 2	20 2 57
	APRIL	18 20 46	18 14 57
	MAY	18 9 30	18 3 57
	JUNE	16 22 14	16 18 11
	JULY	16 10 58	16 9 21
	○	31 5 20	31 1 40
	AUG.	14 23 42	15 0 56
	SEPT.	13 12 26	13 16 13
	OCT.	13 1 10	13 6 43
	NOV.	11 13 54	11 20 15
	DEC.	11 2 38	11 8 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1758. A.		d. h. m.	d. h. m.
March. d. h. m. 20 18 17	JAN. .	9 15 22	9 20 24
	○	24 9 44	24 8 49
	FEB. .	8 4 6	8 7 8
	MAR. .	9 16 50	9 17 5
	APRIL	8 5 34	8 2 37
	MAY .	7 18 18	7 12 18
	JUNE .	6 7 2	5 22 57
	JULY .	5 19 46	5 11 12
	○	20 14 8	20 18 42
	AUG. .	4 8 30	4 1 25
	SEPT. .	2 21 14	2 17 18
	OCT. .	2 9 58	2 10 8
		31 22 42	1 8 0
	NOV. .	30 11 26	30 19 2
	DEC. .	30 0 10	30 9 35
	○	18 18 32	18 10 22
1759. G.	JAN. .	28 12 55	28 22 22
	FEB. .	27 1 39	27 9 18
21 0 6	MAR. .	28 14 23	28 18 41
	APRIL	27 8 7	27 2 57
	MAY .	26 15 51	26 10 56
	JUNE .	25 4 35	24 19 37
	JULY .	24 17 19	24 5 57
	AUG. .	23 6 3	22 18 43
	SEPT. .	21 18 47	21 10 6
	OCT. .	21 7 31	21 8 35
	NOV. .	19 20 15	19 22 5
	DEC. .	19 8 59	19 16 14
1760. F.E.	JAN. .	17 21 44	18 8 49
	FEB. .	16 10 28	16 22 59
20 5 55	MAR. .	16 23 12	17 10 32
	APRIL	15 11 56	15 19 48
	MAY .	15 0 40	15 8 28
	○	29 19 2	29 23 41
	JUNE .	13 13 24	13 10 28
	JULY .	13 2 8	12 17 49
	AUG. .	11 14 52	11 2 39
	SEPT. .	10 8 36	9 13 58
	OCT. .	9 16 20	9 4 17
	NOV. .	8 5 4	7 21 26
	○	22 23 26	22 22 40
	DEC. .	7 17 48	7 16 30

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1761. D.		d. h. m.	d. h. m.
March. d. h. m. 20 11 43	JAN. .	6 6 32	6 11 54
	FEB. .	4 19 16	5 6 [illegible]
	MAR. .	6 8 0	6 21 [illegible]
	APRIL	4 20 44	5 10 [illegible]
	MAY .	4 9 28	4 19 [illegible]
	○	19 3 50	19 0 [illegible]
	JUNE .	2 22 12	3 3 43
	JULY .	2 10 56	2 10 [illegible]
		31 23 40	31 17 15
	AUG. .	30 12 24	30 1 14
	SEPT. .	29 1 8	28 11 25
	OCT. .	28 13 52	28 0 [illegible]
	○	12 8 14	12 13 [illegible]
	NOV. .	27 2 36	26 16 [illegible]
	DEC. .	26 15 20	26 10 59
1762. C.	JAN. .	25 4 5	25 6 29
	FEB. .	23 16 49	24 1 21
20 17 32	MAR. .	25 5 33	25 18 6
	APRIL	23 18 17	24 7 55
	○	8 12 39	8 6 5
	MAY .	23 7 1	23 18 46
	JUNE .	21 19 45	22 3 17
	JULY .	21 8 29	21 10 29
	AUG. .	19 21 13	19 17 30
	SEPT. .	18 9 57	18 1 21
	OCT. .	17 22 41	17 10 56
	○	1 17 8	1 22 50
	NOV. .	16 11 25	15 22 54
	DEC. .	16 0 9	15 13 30
1763. B.	JAN. .	14 12 54	14 6 25
	FEB. .	13 1 38	13 0 46
20 23 21	MAR. .	14 14 22	14 19 14
	APRIL	13 3 6	13 12 27
	MAY .	12 15 50	13 3 26
	JUNE .	11 4 34	11 15 47
	JULY .	10 17 18	11 1 45
	AUG. .	9 6 2	9 10 12
	SEPT. .	7 18 46	7 18 8
	OCT. .	7 7 30	7 2 31
	NOV. .	5 20 14	5 12 4
	DEC. .	5 8 58	4 23 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1764.			
A.G. March. d. h. m. 20 5 10	JAN.	8 21 42	8 12 22
	FEB.	2 10 26	2 8 14
	MAR.	2 23 10	2 19 31
	○	17 17 32	18 2 38
	APRIL	1 11 54	1 12 30
	MAY	1 0 38	1 5 17
		30 13 22	30 20 57
	JUNE	29 2 6	29 10 50
	JULY	28 14 50	28 22 45
	AUG.	27 8 34	27 9 7
	○	10 21 56	10 9 19
	SEPT.	25 16 18	25 18 41
	OCT.	25 5 2	25 4 11
	NOV.	23 17 46	23 14 14
	DEC.	23 6 30	23 1 5
1765. F. 20 10 59	JAN.	21 19 15	21 12 54
	FEB.	20 7 59	20 1 38
	○	7 2 21	7 15 52
	MAR.	21 20 43	21 15 24
	APRIL	20 9 27	20 6 8
	MAY	19 22 11	19 21 33
	JUNE	18 10 55	18 13 6
	JULY	17 23 39	18 4 10
	AUG.	16 12 23	16 18 9
	○	31 6 45	30 18 2
	SEPT.	15 1 7	15 6 56
	OCT.	14 13 51	14 18 43
	NOV.	13 2 35	13 5 53
	DEC.	12 15 19	12 16 49
1766. E. 20 16 48	JAN.	11 4 3	11 3 40
	FEB.	9 16 48	9 14 30
	○	24 11 10	24 22 12
	MAR.	11 5 32	11 1 23
	APRIL	9 18 16	9 12 41
	MAY	9 7 0	9 0 51
	JUNE	7 19 44	7 14 15
	JULY	7 8 28	7 4 55
	AUG.	5 21 12	5 20 25
	○	20 15 31	20 9 8
	SEPT.	4 9 56	4 12 6
	OCT.	3 22 40	4 3 20
	NOV.	2 11 24	2 17 40
	DEC.	2 0 8	2 6 57
		31 12 52	31 19 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1767. D. March. d. h. m. 20 22 36	JAN.	30 1 36	30 6 19
	FEB.	28 14 20	28 16 30
	MAR.	30 8 4	30 1 58
	APRIL	28 15 48	28 11 13
	MAY	28 4 32	27 21 2
	JUNE	26 17 16	26 8 14
	JULY	26 6 0	25 21 24
	AUG.	24 18 44	24 12 32
	SEPT.	23 7 28	23 5 10
	OCT.	22 20 12	22 22 24
	NOV.	21 8 56	21 15 13
	DEC.	20 21 40	21 6 46
1768. C.B. 20 4 25	○	4 16 2	4 6 36
	JAN.	19 10 25	19 20 35
	FEB.	17 23 9	18 8 23
	MAR.	18 11 53	18 18 21
	APRIL	17 0 37	17 2 54
	MAY	16 13 21	16 10 44
	JUNE	15 2 5	14 18 45
	○	29 20 27	30 6 11
	JULY	14 14 49	14 4 2
	AUG.	13 3 33	12 15 29
	SEPT.	11 16 17	11 5 37
	OCT.	11 5 1	10 22 18
	NOV.	9 17 45	9 16 38
	DEC.	9 6 29	9 11 19
	○	24 0 51	23 17 14
1769. A. 20 10 14	JAN.	7 19 13	8 4 56
	FEB.	6 7 58	6 20 25
	MAR.	7 20 42	8 9 13
	APRIL	6 9 26	6 19 27
	MAY	5 22 10	6 4 10
	JUNE	4 10 54	4 10 45
	○	19 5 16	19 10 33
	JULY	3 23 38	3 17 43
	AUG.	2 12 22	1 23 39
	SEPT.	1 1 6	31 11 38
		30 13 50	30 0 29
	OCT.	30 2 34	29 16 23
	NOV.	28 15 18	28 10 44
	○	13 9 40	13 8 25
	DEC.	28 4 2	28 6 16

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1770.		d. h. m.	d. h. m.
G. March. d. h. m. 20 16 8	JAN. .	26 16 46	27 1 15
	FEB. .	25 5 30	25 18 12
	MAR. .	26 18 14	27 8 13
	APRIL	25 6 58	25 19 15
	MAY .	24 19 42	25 8 48
	JUNE .	23 8 26	23 10 52
	JULY .	22 21 10	22 17 30
	AUG. .	21 9 54	21 0 50
	SEPT. .	19 22 38	19 9 53
	OCT. .	19 11 22	18 21 32
	NOV. .	18 0 6	17 12 12
	DEC. .	17 12 50	17 5 35
1771. F. 20 21 52	JAN. .	16 1 35	16 0 42
	FEB. .	14 14 19	14 19 59
	MAR. .	16 3 3	16 13 50
	APRIL	14 15 47	15 5 6
	○	29 10 9	29 4 19
	MAY .	14 4 31	14 17 20
	JUNE .	12 17 15	13 2 54
	JULY .	12 5 59	12 10 40
	AUG. .	10 18 43	10 17 45
	SEPT. .	9 7 27	9 1 12
	OCT. .	8 20 11	8 9 57
	○	28 14 33	28 18 56
	NOV. .	7 8 56	6 20 48
	DEC. .	6 21 40	6 10 7
1772. E.D. 20 3 41	JAN. .	5 10 24	5 1 51
	FEB. .	3 23 8	3 19 28
	MAR. .	4 11 52	4 13 50
	APRIL	3 0 35	3 7 39
	○	17 18 57	17 18 32
	MAY .	2 13 19	2 23 45
	JUNE .	1 2 8	1 13 22
		30 14 47	1 0 31
	JULY .	30 3 31	30 9 45
	AUG. .	28 16 15	28 18 0
	SEPT. .	27 4 59	27 2 15
	○	11 23 21	11 19 54
	OCT. .	26 17 43	26 11 19
	NOV. .	25 6 27	24 21 48
	DEC. .	24 19 11	24 9 57

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1773.		d. h. m.	d. h. m.
C. March. d. h. m. 20 9 29	JAN. .	23 7 56	22 23 49
	FEB. .	21 20 40	21 15 13
	MAR. .	23 9 24	23 7 40
	○	7 3 46	7 11 14
	APRIL	21 22 8	22 0 27
	MAY .	21 10 52	21 16 38
	JUNE .	19 23 36	20 7 26
	JULY .	19 12 20	19 20 27
	AUG. .	18 1 4	18 7 44
	SEPT. .	16 13 48	16 17 51
	○	1 8 10	30 20 28
	OCT. .	16 2 32	16 3 33
	NOV. .	14 15 16	14 13 29
	DEC. .	14 4 0	14 0 1
1774. B. 20 15 18	JAN. .	12 16 45	12 11 19
	FEB. .	11 5 29	10 23 25
	MAR. .	12 18 13	12 12 23
	APRIL	11 6 57	11 2 20
	MAY .	10 19 41	10 17 11
	JUNE .	9 8 25	9 8 37
	JULY .	8 21 9	8 23 59
	AUG. .	7 9 58	7 14 41
	SEPT. .	5 22 37	6 4 18
	OCT. .	5 11 21	5 16 51
	NOV. .	4 0 5	4 4 23
	DEC. .	3 12 49	3 15 46
1775. A. 20 21 7	JAN. .	2 1 33	2 2 45
		31 14 17	31 13 30
	FEB. ○	15 8 39	15 17 19
	MAR. .	2 3 1	2 0 8
		31 15 45	31 10 54
	APRIL	30 4 29	29 22 17
	MAY .	29 17 13	29 10 47
	JUNE .	28 5 57	28 0 41
	JULY .	27 18 41	27 15 49
	○	11 13 3	11 9 14
	AUG. .	26 7 25	26 7 33
	SEPT. .	24 20 9	24 23 26
	OCT. .	21 8 53	24 14 33
	NOV. .	22 21 37	23 4 39
	DEC. .	22 10 21	22 17 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1776. G.F.		d. h. m.	d. h. m.
March. d. h. m. 20 2 56	JAN.	20 23 6	21 5 19
	○	4 17 28	4 16 41
	FEB.	19 11 50	19 15 58
	MAR.	20 0 34	20 1 27
	APRIL	18 13 18	18 10 29
	MAY	18 2 2	17 19 41
	JUNE	16 14 46	16 5 55
	JULY	16 3 30	15 17 55
	○	30 21 52	31 4 8
	AUG.	14 16 14	14 8 5
	SEPT.	13 4 58	13 0 11
	OCT.	12 17 42	12 17 27
	NOV.	11 6 26	11 10 52
	DEC.	10 19 10	11 3 23
1777. E. 20 8 45	JAN.	9 7 54	9 18 14
	○	24 2 16	23 18 41
	FEB.	7 20 38	8 7 2
	MAR.	9 9 22	9 17 47
	APRIL	7 22 6	8 2 48
	MAY	7 10 50	7 10 43
	JUNE	5 23 34	5 18 20
	JULY	5 12 18	5 2 43
	○	20 6 40	20 15 10
	AUG.	4 1 2	3 12 56
	SEPT.	2 13 46	2 1 43
	OCT.	2 2 30	1 17 17
		31 15 14	31 11 5
	NOV.	30 3 58	30 5 57
	DEC.	29 16 42	30 0 25
1778. D. 20 14 34	JAN.	28 5 26	28 17 9
	FEB.	26 18 10	27 7 16
	MAR.	28 6 55	28 18 40
	APRIL	26 19 39	27 3 39
	MAY	26 8 23	26 11 5
	JUNE	24 21 7	24 17 53
	JULY	24 9 51	24 1 9
	AUG.	22 22 35	22 10 1
	SEPT.	21 11 19	20 21 24
	OCT.	21 0 3	20 11 52
	NOV.	19 12 47	19 5 13
	○	4 7 9	4 7 30
	DEC.	19 1 31	19 0 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1779. C. March. d. h. m. 20 20 22		d. h. m.	d. h. m.
	JAN.	17 14 15	17 19 55
	FEB.	16 2 59	16 14 1
	MAR.	17 15 44	18 5 33
	APRIL	16 4 28	16 17 57
	MAY	15 17 12	16 3 34
	○	30 11 34	30 7 7
	JUNE	14 5 56	14 11 11
	JULY	13 18 40	13 17 55
	AUG.	12 7 24	12 0 48
	SEPT.	10 20 8	10 8 57
	OCT.	10 8 52	9 19 20
	NOV.	8 21 36	8 8 32
	○	28 15 58	28 21 58
	DEC.	8 10 20	8 0 39
1780. B.A. 20 2 11	JAN.	6 23 4	6 19 2
	FEB.	5 11 49	5 14 20
	MAR.	6 0 33	6 9 0
	APRIL	4 13 17	5 1 33
	MAY	4 2 1	4 15 13
	○	18 20 23	18 13 20
	JUNE	2 14 45	3 2 2
	JULY	2 3 29	2 10 37
		31 16 13	31 17 59
	AUG.	30 4 57	30 1 14
	SEPT.	28 17 41	28 9 24
	OCT.	28 6 25	27 19 16
	○	12 0 47	12 6 51
	NOV.	26 19 9	26 7 23
	DEC.	26 7 58	25 21 54
1781. G. 20 8 0	JAN.	24 20 37	24 14 33
	FEB.	23 9 21	23 8 29
	MAR.	24 22 5	25 2 33
	APRIL	23 10 49	23 19 28
	MAY	22 23 33	23 10 19
	JUNE	21 12 17	21 22 43
	JULY	21 1 1	21 8 55
	AUG.	19 13 45	19 17 42
	SEPT.	18 2 29	18 2 3
	OCT.	17 15 13	17 10 50
	NOV.	16 3 57	15 20 43
	DEC.	15 16 41	15 8 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1782. F. March. d. h. m. 20 18 49	JAN. .	14 5 25	18 20 59
	FEB. .	12 18 9	12 11 27
	MAR. .	14 6 54	14 8 11
	○	29 1 16	29 10 51
	APRIL	12 19 38	12 19 37
	MAY .	12 8 22	12 12 1
	JUNE .	10 21 6	11 8 31
	JULY .	10 9 50	10 17 31
	AUG. .	8 22 34	9 5 48
	SEPT. .	7 11 18	7 16 40
	○	22 5 40	21 16 38
	OCT. .	7 0 2	7 2 46
	NOV. .	5 12 46	5 12 45
	DEC. .	5 1 30	4 23 6
1783. E. 20 19 38	JAN. .	3 14 14	3 10 3
	FEB. .	2 2 59	1 21 37
	MAR. .	3 15 43	3 9 53
	○	18 10 5	18 23 55
	APRIL	2 4 26	1 23 2
	MAY .	1 17 10	1 13 9
		31 5 54	31 4 9
	JUNE .	29 18 38	29 19 32
	JULY .	29 7 22	29 10 43
	AUG. .	27 20 6	28 1 8
	○	11 14 28	11 1 37
	SEPT. .	26 8 50	26 14 28
	OCT. .	25 21 34	26 2 51
	NOV. .	24 10 18	24 14 32
	DEC. .	23 23 2	24 1 45
1784. D.C. 20 1 27	JAN. .	22 11 47	22 12 38
	FEB. .	21 0 31	20 23 9
	○	6 18 58	7 5 56
	MAR. .	21 13 15	21 9 33
	APRIL	20 1 59	19 20 16
	MAY .	19 14 48	19 7 58
	JUNE .	18 3 27	17 20 54
	JULY .	17 16 11	17 11 23
	AUG. .	16 4 55	16 3 1
	○	30 23 17	30 16 46
	SEPT. .	14 17 39	14 19 6
	OCT. .	14 6 23	14 10 54
	NOV. .	12 19 7	13 1 51
	DEC. .	12 7 51	12 15 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1785. B. March. d. h. m. 20 7 15	JAN. .	10 20 35	11 4 3
	FEB. .	9 9 19	9 15 6
	MAR. .	10 22 4	11 1 0
	APRIL	9 10 48	9 10 2
	MAY .	8 23 32	8 18 49
	JUNE .	7 12 16	7 4 11
	JULY .	7 1 0	6 15 4
	AUG. .	5 13 44	5 4 6
	SEPT. .	4 2 28	3 19 21
	OCT. .	3 15 12	3 12 19
	NOV. .	2 3 56	2 6 3
	DEC. .	1 16 40	1 23 22
		31 5 24	31 15 19
1786. A. 20 13 4	○	14 23 46	14 15 4
	JAN. .	29 18 8	30 5 13
	FEB. .	28 6 52	28 16 55
	MAR. .	29 19 36	30 2 5
	APRIL	28 8 20	28 10 47
	MAY .	27 21 4	27 18 16
	JUNE .	26 9 48	26 2 1
	○	11 4 10	11 13 3
	JULY .	25 22 32	25 11 7
	AUG. .	24 11 16	23 22 31
	SEPT. .	23 0 0	22 12 46
	OCT. .	22 12 44	22 5 41
	NOV. .	21 1 28	21 0 21
	DEC. .	20 14 12	20 19 21
1787. G. 20 18 58	○	4 8 34	4 2 4
	JAN. .	19 2 57	19 13 12
	FEB. .	17 15 41	18 4 43
	MAR. .	19 4 25	19 17 22
	APRIL	17 17 9	18 3 23
	MAY .	17 5 53	17 11 21
	JUNE .	15 18 37	15 18 14
	○	30 12 59	30 17 1
	JULY .	15 7 21	15 1 5
	AUG. .	13 20 5	13 9 1
	SEPT. .	12 8 49	11 19 5
	OCT. .	11 21 33	11 8 5
	NOV. .	10 10 17	10 0 8
	DEC. .	9 23 1	9 18 38
	○	24 17 23	24 17 22

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1788.		d. h. m.	d. h. m.
F.E. March. d. h. m. 20 0 42	JAN.	8 11 45	8 14 13
	FEB.	7 0 30	7 9 18
	MAR.	7 13 14	8 2 5
	APRIL	6 1 58	6 15 58
	MAY	5 14 42	6 2 50
	JUNE	4 8 26	4 11 17
	JULY	3 16 10	3 18 19
	AUG.	2 4 54	2 1 1
		31 17 38	31 8 31
	SEPT.	30 6 22	29 17 47
	OCT.	29 19 6	29 5 37
	NOV.	28 7 50	27 20 21
	DEC.	27 20 34	27 18 41
1789. D. 20 6 31	JAN.	26 9 18	26 8 37
	FEB.	24 22 2	25 3 39
	MAR.	26 10 46	26 21 16
	APRIL	24 23 30	25 12 22
	○	9 17 52	9 11 45
	MAY	24 12 14	25 0 32
	JUNE	23 0 58	23 10 9
	JULY	22 18 42	22 18 3
	AUG.	21 2 26	21 1 23
	SEPT.	19 15 10	19 9 8
	OCT.	19 3 54	18 18 14
	○	2 22 16	3 2 42
	NOV.	17 16 38	17 5 16
	DEC.	17 5 22	16 18 35
1790. C. 20 12 20	JAN.	15 18 7	15 10 10
	FEB.	14 6 51	14 3 22
	MAR.	15 19 35	15 21 17
	APRIL	14 8 19	14 14 45
	○	29 2 41	29 2 23
	MAY	13 21 3	14 6 37
	JUNE	12 9 47	12 20 14
	JULY	11 22 31	12 7 34
	AUG.	10 11 15	10 17 7
	SEPT.	8 23 59	9 1 46
	OCT.	8 12 43	8 10 28
	○	23 7 5	23 3 18
	NOV.	7 1 27	6 19 55
	DEC.	6 14 11	6 6 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1791.		d. h. m.	d. h. m.
B. March. d. h. m. 20 18 8	JAN.	5 2 55	4 18 42
	FEB.	3 15 40	3 8 15
	MAR.	5 4 24	4 23 8
	APRIL	3 17 8	3 15 0
	○	18 11 30	18 19 15
	MAY	3 5 52	3 7 18
	JUNE	1 18 36	1 23 13
	JULY	1 7 20	1 14 2
		30 20 4	31 3 19
	AUG.	29 8 48	29 15 4
	SEPT.	27 21 32	28 1 44
	○	12 15 54	12 3 55
	OCT.	27 10 16	27 11 57
	NOV.	25 23 0	25 22 16
	DEC.	25 11 44	25 8 59
1792. A.G. 19 23 57	JAN.	24 0 28	23 20 9
	FEB.	22 18 12	22 7 52
	MAR.	23 1 56	22 20 16
	APRIL	21 14 40	21 9 35
	MAY	21 3 24	20 23 56
	JUNE	19 16 8	19 15 3
	JULY	19 4 52	19 6 27
	AUG.	17 17 36	17 21 28
	SEPT.	16 6 20	16 11 38
	OCT.	15 19 4	16 0 46
	NOV.	14 7 48	14 13 2
	DEC.	13 20 32	14 0 38
1793. F. 20 5 46	JAN.	12 9 17	12 11 43
	FEB.	10 22 1	10 22 18
	○	25 16 23	26 1 5
	MAR.	12 10 45	12 8 32
	APRIL	10 23 29	10 18 46
	MAY	10 12 13	10 5 44
	JUNE	9 0 57	8 17 35
	JULY	8 13 41	8 7 14
	AUG.	7 2 25	6 22 22
	○	21 20 47	21 16 53
	SEPT.	5 15 9	5 14 29
	OCT.	5 3 53	5 6 47
	NOV.	3 16 37	3 22 30
	DEC.	3 5 21	3 13 7

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1794. E.	JAN.	1 18 5	2 2 22
		31 6 50	31 14 9
March. d. h. m. 20 11 35	FEB. ○	15 1 12	15 0 32
	MAR.	1 19 34	2 0 31
		31 8 18	31 9 43
	APRIL	29 21 2	29 18 17
	MAY	29 9 46	29 3 1
	JUNE	27 22 30	27 12 53
	JULY	27 11 14	27 0 42
	○	11 5 36	11 9 36
	AUG.	25 23 58	25 14 52
	SEPT.	24 12 42	24 7 13
	OCT.	24 1 26	24 0 54
	NOV.	22 14 10	22 18 48
	DEC.	22 2 54	22 11 45
1795. D.	JAN.	20 15 38	21 2 50
	○	4 10 0	4 2 56
	FEB.	19 4 22	19 15 36
20 17 24	MAR.	20 17 6	21 2 8
	APRIL	19 5 50	19 10 50
	MAY	18 18 34	18 18 23
	JUNE	17 7 18	17 1 43
	JULY	16 20 2	16 9 54
	○	31 14 24	31 22 13
	AUG.	15 8 46	14 20 8
	SEPT.	13 21 30	13 8 53
	OCT.	13 10 14	13 0 38
	NOV.	11 22 58	11 18 43
	DEC.	11 11 42	11 13 53
1796. C.B.	JAN.	10 0 26	10 8 36
	FEB.	8 13 11	9 1 25
19 23 13	MAR.	9 1 55	9 15 29
	APRIL	7 14 39	8 2 42
	MAY	7 3 23	7 11 25
	JUNE	5 16 7	5 18 38
	JULY	5 4 51	5 1 18
	AUG.	3 17 35	3 8 33
	SEPT.	2 6 19	1 17 30
	OCT.	1 19 3	1 5 2
		31 7 47	30 19 38
	NOV.	29 20 31	29 13 7
	○	14 14 53	14 16 25
	DEC.	29 9 15	29 8 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1797. A. March. d. h. m. 20 5 1	JAN.	27 22 0	28 3 53
	FEB.	26 10 44	26 21 55
	MAR.	27 23 28	28 13 16
	APRIL	26 12 12	27 1 32
	MAY	26 0 56	26 11 2
	○	9 19 18	9 13 46
	JUNE	24 13 40	24 18 57
	JULY	24 2 24	24 1 22
	AUG.	22 15 8	22 8 35
	SEPT.	21 3 52	20 16 49
	OCT.	20 16 36	20 3 25
	NOV.	19 5 20	18 16 45
	○	3 23 42	4 6 35
	DEC.	18 18 4	18 8 50
1798. G.	JAN.	17 6 48	17 3 3
	FEB.	15 19 32	15 22 6
20 10 50	MAR.	17 8 16	17 16 27
	APRIL	15 21 0	16 8 47
	MAY	15 9 44	15 22 22
	○	30 4 6	29 20 30
	JUNE	13 22 28	14 9 11
	JULY	13 11 12	13 17 54
	AUG.	11 23 56	12 1 30
	SEPT.	10 12 40	10 9 6
	OCT.	10 1 24	9 17 35
	NOV.	8 14 8	8 3 44
	○	23 8 30	23 14 55
	DEC.	8 2 52	7 15 55
1799. F.	JAN.	6 15 36	6 6 19
	FEB.	5 4 21	4 22 38
20 16 39	MAR.	6 17 5	6 15 6
	APRIL	5 5 49	5 9 43
	MAY	4 18 33	5 2 21
	JUNE	3 7 17	3 17 6
	JULY	2 20 1	3 5 37
	AUG.	1 8 45	1 16 7
		30 21 29	31 1 19
	SEPT.	29 10 13	29 10 6
	OCT.	28 22 57	28 19 19
	NOV.	27 11 41	27 5 29
	DEC.	27 0 25	26 16 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1800.		d. h. m.	d. h. m.
E. March. d. h. m. 20 22 28	JAN.	25 13 9	25 5 35
	FEB.	24 1 58	23 19 36
	MAR.	25 14 37	25 10 43
	○ APRIL	9 8 59	9 18 54
		24 8 21	24 2 36
	MAY	23 16 5	23 18 33
	JUNE	22 4 49	22 10 3
	JULY	21 17 33	22 0 14
	AUG.	20 6 17	20 12 56
	SEPT.	18 19 1	19 0 19
	○ OCT.	3 13 23	3 0 4
		18 7 45	18 10 57
	NOV.	16 20 29	16 21 24
	DEC.	16 9 14	16 8 1
1801. D. 21 4 17	JAN.	14 21 58	14 18 58
	FEB.	13 10 42	13 6 14
	MAR.	14 23 26	14 18 1
	○	29 17 48	30 7 48
	APRIL	13 12 10	13 6 33
	MAY	13 0 54	12 20 6
	JUNE	11 13 38	11 10 42
	JULY	11 2 22	11 2 0
	AUG.	9 15 6	9 17 22
	SEPT.	8 3 50	8 8 13
	○	22 22 12	22 9 24
	OCT.	7 16 34	7 22 10
	NOV.	6 5 18	6 11 8
	DEC.	5 18 2	5 23 16
1802. C. 21 10 6	JAN.	4 6 46	4 10 42
	FEB.	2 19 30	2 21 30
	MAR.	4 8 14	4 7 42
	○	19 2 36	19 13 30
	APRIL	2 20 59	2 17 38
	MAY	2 9 43	2 8 48
		31 22 27	31 14 54
	JUNE	30 11 11	30 8 33
	JULY	29 23 55	29 17 55
	AUG.	28 12 39	28 9 43
	○ SEPT.	12 7 1	12 0 39
		27 1 23	27 2 13
	OCT.	26 14 7	26 18 37
	NOV.	25 2 51	25 10 7
	DEC.	24 15 35	25 0 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1803.		d. h. m.	d. h. m.
E. March. d. h. m. 21 15 54	JAN.	23 4 19	23 12 50
	FEB.	21 17 3	21 23 49
	MAR.	23 5 47	23 9 23
	APRIL	21 18 31	21 17 59
	MAY	21 7 15	21 2 19
	JUNE	19 19 59	19 11 18
	JULY	19 8 43	18 21 56
	AUG.	17 21 27	17 10 53
	SEPT.	16 10 11	16 2 18
	OCT.	15 22 55	15 19 36
	NOV.	14 11 39	14 13 46
	DEC.	14 0 23	14 7 33
1804. A.G. 20 21 43	JAN.	12 13 7	12 23 46
	○	27 7 30	26 23 31
	FEB.	11 1 52	11 13 47
	MAR.	11 14 36	12 1 20
	APRIL	10 8 20	10 10 43
	MAY	9 16 4	9 18 35
	JUNE	8 4 48	8 1 44
	JULY	7 17 32	7 9 17
	○	22 11 54	22 19 55
	AUG.	6 6 16	5 18 17
	SEPT.	4 19 0	4 5 43
	OCT.	4 7 44	3 20 5
	NOV.	2 20 28	2 13 14
	DEC.	2 9 12	2 8 11
		31 21 56	...
1805. F. 21 3 32	JAN. ○	...	1 3 23
		15 16 18	15 10 56
		30 10 41	30 21 25
	FEB.	28 23 25	1 12 53
	MAR.	30 12 9	31 1 24
	APRIL	29 0 53	29 11 10
	MAY	28 13 37	28 18 56
	JUNE	27 2 21	27 1 41
	○ JULY	11 20 43	11 23 31
		26 15 5	26 8 31
	AUG.	25 3 49	24 16 31
	SEPT.	23 16 33	23 2 43
	OCT.	23 5 17	22 16 12
	NOV.	21 18 1	21 8 2
	DEC.	21 6 45	21 2 36

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1806. E.	○	5 1 7	5 2 21
	JAN.	19 19 30	19 22 11
March. *d. h. m.* 21 9 21	FEB.	18 8 13	18 17 4
	MAR.	19 20 57	20 9 48
	APRIL	18 9 41	18 23 32
	MAY	17 22 25	18 10 16
	JUNE	16 11 9	16 18 41
	JULY	15 23 53	16 1 44
	AUG.	14 12 37	14 8 36
	SEPT.	13 1 21	12 16 19
	OCT.	12 14 5	12 1 49
	NOV.	11 2 49	10 13 50
	DEC.	10 15 33	10 4 36
1807. D.	JAN.	9 4 17	8 21 48
	FEB.	7 17 2	7 16 29
21 15 10	MAR.	9 5 46	9 11 13
	APRIL	7 13 30	8 4 34
	MAY	7 7 14	7 19 29
	○	22 1 36	21 19 7
	JUNE	5 19 58	6 7 39
	JULY	5 8 42	5 17 21
	AUG.	3 21 26	4 1 20
	SEPT.	2 10 10	2 9 9
	OCT.	1 22 54	1 17 15
		31 11 38	31 2 39
	○	15 6 0	15 10 36
	NOV.	30 0 22	29 13 51
	DEC.	29 13 6	29 3 9
1808. C.B.	JAN.	28 1 51	27 18 26
	FEB.	26 14 35	26 11 11
20 20 59	MAR.	27 3 19	27 4 37
	APRIL	25 16 8	25 21 40
	○	10 10 25	10 10 7
	MAY	25 4 47	25 13 22
	JUNE	23 17 31	24 3 8
	JULY	23 6 15	23 14 36
	AUG.	21 18 59	22 0 33
	SEPT.	20 7 43	20 9 41
	OCT.	19 20 27	19 18 49
	○	3 14 49	3 10 51
	NOV.	18 9 11	18 4 37
	DEC.	17 21 55	17 15 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	*d. h. m.*
A.D. 1809. A.	JAN.	16 10 39	16 3 [illegible]
March. *d. h. m.* 21 2 47	FEB.	14 23 23	14 16 [illegible]
	MAR.	16 12 7	16 6 5[illegible]
	APRIL	15 0 51	14 22 11
	○	29 19 13	30 3 [illegible]
	MAY	14 13 35	14 14 1
	JUNE	13 2 19	13 5 43
	JULY	12 15 3	12 20 37
	AUG.	11 3 47	11 10 13
	SEPT.	9 16 31	9 22 21
	OCT.	9 5 15	9 9 43
	○	28 23 37	23 11 33
	NOV.	7 17 59	7 20 25
	DEC.	7 6 43	7 7 7
1810. G.	JAN.	5 19 27	5 17 56
	FEB.	4 8 11	4 4 56
21 8 36	MAR.	5 20 55	5 16 12
	APRIL	4 9 40	4 4 2
	MAY	3 22 24	3 16 46
	JUNE	2 11 8	2 6 38
	JULY	1 23 52	1 21 31
		31 12 36	31 12 59
	AUG.	30 1 20	30 4 20
	SEPT.	28 14 4	28 19 2
	OCT.	28 2 48	28 8 58
	NOV.	26 15 32	26 21 36
	DEC.	26 4 16	26 9 31
1811. F.	JAN.	24 17 0	24 20 38
	FEB.	23 5 44	23 7 0
	○	10 0 6	10 8 40
21 14 25	MAR.	24 18 28	24 16 48
	APRIL	23 7 12	23 2 29
	MAY	22 19 56	22 12 46
	JUNE	21 8 40	21 0 23
	JULY	20 21 24	20 13 48
	AUG.	19 10 8	19 4 58
	○	3 4 30	3 0 39
	SEPT.	17 22 52	17 21 24
	OCT.	17 11 36	17 14 13
	NOV.	16 0 20	16 6 32
	DEC.	15 13 4	15 21 38

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1812. E.D.		d. h. m.	d. h. m.
March. d. h. m. 20 20 14	JAN.	14 1 49	14 11 9
	FEB.	12 14 33	12 22 54
	○	27 8 55	27 8 12
	MAR.	13 3 17	13 9 0
	APRIL	11 16 1	11 17 48
	MAY	11 4 45	11 1 56
	JUNE	9 17 29	9 10 17
	JULY	9 6 13	8 19 52
	AUG.	7 18 57	7 7 33
	○	22 13 19	22 17 7
	SEPT.	6 7 41	5 21 46
	OCT.	5 20 25	5 14 21
	NOV.	4 9 9	4 8 23
	DEC.	3 21 53	4 2 48
1813. C. 21 2 3	JAN.	2 10 37	2 20 6
		31 23 22	1 11 20
	FEB. ○	15 17 44	15 11 9
	MAR.	2 12 6	3 0 3
	APRIL	1 0 50	1 10 21
		30 13 34	30 18 42
	MAY	30 2 18	30 1 57
	JUNE	28 15 2	28 9 4
	JULY	28 3 46	27 17 9
	○	11 22 8	12 5 18
	AUG.	26 16 30	26 3 16
	SEPT.	25 5 14	24 16 12
	OCT.	24 17 58	24 8 9
	NOV.	23 6 42	23 2 28
	DEC.	22 19 26	22 21 52
1814. B. 21 7 51	JAN.	21 8 10	21 16 43
	FEB.	19 20 54	20 9 32
	MAR.	21 9 38	21 23 30
	APRIL	19 22 22	20 10 28
	MAY	19 11 6	19 19 2
	JUNE	17 23 50	18 2 6
	JULY	17 12 34	17 8 44
	AUG.	16 1 18	15 16 3
	SEPT.	14 14 2	14 1 7
	OCT.	14 2 46	13 12 47
	NOV.	12 15 30	12 3 33
	DEC.	12 4 14	11 21 5
	○	26 22 36	27 1 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1815. A.		d. h. m.	d. h. m.
March. d. h. m. 21 13 40	JAN.	10 16 58	10 16 20
	FEB.	9 5 43	9 11 44
	MAR.	10 18 27	11 5 36
	APRIL	9 7 11	9 20 49
	MAY	8 19 55	9 8 57
	JUNE	7 8 39	7 18 23
	○	22 3 1	21 20 23
	JULY	6 21 23	7 2 0
	AUG.	5 10 7	5 8 54
	SEPT.	3 22 51	3 16 11
	OCT.	3 11 35	3 0 50
	NOV.	2 0 19	1 11 37
	DEC. ○	1 13 3	1 1 3
		16 7 25	16 15 15
		31 1 47	30 17 4
1816. G.F. 20 19 29	JAN.	29 14 32	29 11 3
	FEB.	28 3 16	28 5 45
	MAR.	28 16 0	28 23 47
	APRIL	27 4 44	27 15 55
	MAY	26 17 28	27 5 25
	○	10 11 50	10 3 37
	JUNE	25 6 12	25 16 18
	JULY	24 18 56	25 1 14
	AUG.	23 7 40	23 9 9
	SEPT.	21 20 24	21 17 5
	OCT.	21 9 8	21 1 57
	NOV.	19 21 52	19 12 19
	○	4 16 14	4 23 6
	DEC.	19 10 36	19 0 34
1817. E. 21 1 18	JAN.	17 23 20	17 14 47
	FEB.	16 12 4	16 6 39
	MAR.	18 0 48	17 23 36
	APRIL	16 13 32	16 16 46
	MAY	16 2 16	16 9 6
	JUNE	14 15 0	14 23 48
	JULY	14 3 44	14 12 30
	AUG.	12 16 28	12 23 21
	SEPT.	11 5 12	11 9 0
	OCT.	10 17 56	10 18 16
	NOV.	9 6 40	9 3 54
	DEC.	8 19 24	8 14 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1818.		d. h. m.	d. h. m.
D. March. d. h. m. 21 7 7	JAN.	7 8 8	7 1 43
	FEB.	5 20 58	5 14 9
	MAR.	7 9 37	7 3 39
	APRIL	5 22 21	5 18 10
	○	20 16 43	21 2 49
	MAY	5 11 5	5 9 31
	JUNE	3 28 49	4 1 13
	JULY	3 12 33	3 16 34
	AUG.	2 1 17	2 6 58
		31 14 1	31 20 6
	SEPT.	30 2 45	30 8 5
	○	14 21 7	14 7 42
	OCT.	29 15 29	29 19 17
	NOV.	28 4 13	28 6 9
	DEC.	27 16 57	27 17 0
1819. C. 21 12 56	JAN.	26 5 42	26 3 52
	FEB.	24 18 26	24 14 48
	MAR.	26 7 10	26 2 3
	○	10 1 32	10 15 31
	APRIL	24 19 54	24 13 58
	MAY	24 8 38	24 2 59
	JUNE	22 21 22	22 17 14
	JULY	22 10 6	22 8 26
	AUG.	20 22 50	21 0 3
	SEPT.	19 11 34	19 15 23
	○	4 5 56	3 17 18
	OCT.	19 0 18	19 5 57
	NOV.	17 13 2	17 19 31
	DEC.	17 1 46	17 8 4
1820. B.A. 20 18 44	JAN.	15 14 30	15 19 38
	FEB.	14 3 14	14 6 18
	MAR.	14 15 58	14 16 10
	○	29 10 20	29 20 56
	APRIL	13 4 42	13 1 34
	MAY	12 17 26	12 11 12
	JUNE	11 6 10	10 21 51
	JULY	10 18 54	10 10 12
	AUG.	9 7 38	9 0 30
	SEPT.	7 20 22	7 16 31
	○	22 14 44	22 8 36
	OCT.	7 9 6	7 9 28
	NOV.	5 21 50	6 2 21
	DEC.	5 10 34	5 18 27

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1821.		d. h. m.	d. h. m.
G. March. d. h. m. 21 0 33	JAN.	3 23 13	4 8 56
	FEB.	2 12 2	2 21 36
	MAR.	4 0 46	4 8 24
	APRIL	2 13 31	2 17 37
	MAY	2 2 15	2 1 48
		31 14 59	31 9 44
	JUNE	30 3 43	29 18 25
	JULY	29 16 27	29 4 52
	AUG.	28 5 11	27 17 49
	SEPT.	26 17 55	26 9 23
	OCT.	26 6 39	26 3 1
	NOV.	24 19 23	24 21 37
	DEC.	24 8 7	24 15 46
1822. F. 21 6 22	JAN.	22 20 51	23 8 12
	○	6 15 13	6 7 55
	FEB.	21 9 35	21 22 12
	MAR.	22 22 20	23 9 35
	APRIL	21 11 4	21 18 41
	MAY	20 23 48	21 2 14
	JUNE	19 12 32	19 9 11
	JULY	19 1 16	18 16 35
	○	2 19 38	3 2 49
	AUG.	17 14 0	17 1 33
	SEPT.	16 2 44	15 13 3
	OCT.	15 15 28	15 3 35
	NOV.	14 4 12	13 20 56
	DEC.	13 16 56	13 16 5
1823. E. 21 12 11	JAN.	12 5 40	12 11 29
	○	27 0 2	26 19 46
	FEB.	10 18 24	11 5 29
	MAR.	12 7 8	12 20 53
	APRIL	10 19 52	11 9 14
	MAY	10 8 36	10 18 49
	JUNE	8 21 20	9 2 26
	JULY	8 10 4	8 9 8
	○	23 4 26	23 5 59
	AUG.	6 22 48	6 16 0
	SEPT.	5 11 32	5 0 7
	OCT.	5 0 16	4 10 30
	NOV.	3 13 0	2 23 47
	DEC.	3 1 44	2 16 3

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1824. D.C.		*d. h. m.*	*d. h. m.*
	JAN. ○	1 14 28	1 10 36
		16 8 51	16 11 20
		31 8 13	31 6 34
March. *d. h. m.* 20 18 0	FEB. .	29 15 57	1 0 48
	MAR. .	30 4 41	30 17 22
	APRIL	28 17 25	29 6 57
	MAY .	28 6 9	28 17 37
	JUNE .	26 18 53	27 2 1
	○ JULY .	11 13 15	11 6 45
		26 7 37	26 9 13
	AUG. .	24 20 21	24 16 18
	SEPT. .	23 9 5	23 0 16
	OCT. .	22 21 49	22 10 3
	NOV. .	21 10 33	20 22 11
	DEC. .	20 23 17	20 12 57
1825. B. 20 23 49	JAN. .	19 12 1	19 5 56
	FEB. .	18 0 45	18 0 15
	MAR. .	19 13 29	19 18 37
	APRIL	18 2 13	18 11 41
	MAY .	17 14 57	18 2 28
	○ JUNE .	1 9 19	1 2 25
		16 3 41	16 14 38
	JULY .	15 16 25	16 0 32
	AUG. .	14 5 9	14 8 58
	SEPT. .	12 17 53	12 16 59
	OCT. .	12 6 37	12 1 28
	NOV. .	10 19 21	10 11 12
	○	25 13 43	25 18 33
	DEC. .	10 8 5	9 22 33
1826. A. 21 5 37	JAN. .	8 20 49	8 11 44
	FEB. .	7 9 33	7 2 38
	MAR. .	8 22 17	8 18 54
	APRIL	7 11 2	7 11 48
	MAY .	6 23 46	7 4 28
	○	21 18 8	21 17 48
	JUNE .	5 12 30	5 20 0
	JULY .	5 1 14	5 9 47
	AUG. .	3 13 58	3 21 40
	SEPT. .	2 2 42	2 8 3
	OCT. .	1 15 26	1 17 30
		31 4 10	31 3 16
	○ NOV. .	14 22 32	14 18 28
		29 16 54	29 13 25
	DEC. .	29 5 38	29 0 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1827. G. March. *d. h. m.* 21 11 26		*d. h. m.*	*d. h. m.*
	JAN. .	27 18 22	27 12 10
	FEB. .	26 7 6	26 0 54
	MAR. .	27 19 51	27 14 37
	APRIL	26 3 35	26 5 18
	○ MAY .	11 2 57	11 10 48
		25 21 19	25 20 40
	JUNE .	24 10 3	24 12 11
	JULY .	23 22 47	24 3 12
	AUG. .	22 11 31	22 17 11
	SEPT. .	21 0 15	21 6 0
	OCT. .	20 12 59	20 17 49
	○ NOV. .	4 7 21	3 19 20
		19 1 43	19 5 4
	DEC. .	18 14 27	18 16 3
1828. F.E. 20 17 15	JAN. .	17 3 11	17 2 54
	FEB. .	15 15 55	15 13 40
	MAR. .	16 4 39	16 0 23
	APRIL	14 17 23	14 11 42
	MAY .	14 6 7	13 23 50
	JUNE .	12 18 51	12 13 16
	JULY .	12 7 35	12 3 57
	AUG. .	10 20 19	10 19 31
	SEPT. .	9 9 3	9 11 16
	OCT. .	8 21 47	9 2 33
	NOV. .	7 10 31	7 16 56
	DEC. .	6 23 15	7 6 14
1829. D. 20 23 4	JAN. .	5 11 59	5 18 24
	FEB. .	4 0 44	4 5 31
	MAR. .	5 13 28	5 15 36
	○	20 7 50	20 16 9
	APRIL	4 2 12	4 0 57
	MAY .	3 14 56	3 10 7
	JUNE .	2 3 40	1 19 55
	JULY .	1 16 24	1 7 11
		31 5 8	30 20 26
	AUG. .	29 17 52	29 11 42
	○ SEPT. .	13 12 14	13 8 31
		28 6 36	28 4 29
	OCT. .	27 19 20	27 21 48
	NOV. .	26 8 4	26 14 39
	DEC. .	25 20 48	26 6 11

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1830. C.		*d. h. m.*	*d. h. m.*
	JAN. .	24 9 33	24 19 53
	FEB. .	22 22 17	23 7 32
March. *d. h. m.* 21 4 52	○	9 16 39	9 15 50
	MAR. .	24 11 1	24 17 21
	APRIL	22 23 45	23 1 46
	MAY .	22 12 29	22 9 4
	JUNE .	21 1 13	20 17 33
	JULY .	20 13 57	20 2 53
	AUG. .	19 2 41	18 14 29
	○	2 21 3	3 0 44
	SEPT. .	17 15 25	17 4 49
	OCT. .	17 4 9	16 21 40
	NOV. .	15 16 53	15 16 8
	DEC. .	15 5 37	15 10 52
1831. B.	JAN. .	13 18 21	14 4 26
	FEB. .	12 7 5	12 19 44
	○	27 1 27	26 19 15
21 10 41	MAR. .	13 19 49	14 8 19
	APRIL	12 8 33	12 18 22
	MAY .	11 21 17	12 2 27
	JUNE .	10 10 1	10 9 28
	JULY .	9 22 45	9 16 25
	AUG. .	8 11 29	8 0 27
	○	23 5 51	23 12 25
	SEPT. .	7 0 13	6 10 37
	OCT. .	6 12 57	5 23 40
	NOV. .	5 1 41	4 15 47
	DEC. .	4 14 25	4 10 17
1832. A.G.	JAN. .	3 3 9	3 5 50
	FEB. .	1 15 54	2 0 45
20 16 30	MAR. .	2 4 33	2 17 32
		31 17 22	
	APRIL	30 6 6	1 7 21 / 30 18 10
	MAY .	29 18 50	30 2 35
	JUNE .	28 7 34	28 9 34
	JULY .	27 20 18	27 16 13
	AUG. .	26 9 2	25 23 39
	SEPT. .	24 21 46	24 8 53
	OCT. .	24 10 30	23 20 45
	NOV. .	22 23 14	22 11 36
	DEC. .	22 11 58	22 5 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1833. F.		*d. h. m.*	*d. h. m.*
	○	6 6 20	6 10 19
	JAN. .	21 0 42	21 0 17
March. *d. h. m.* 20 22 19	FEB. .	19 13 27	19 19 31
	MAR. .	21 2 11	21 13 11
	APRIL	19 14 55	20 4 13
	MAY .	19 3 39	19 16 16
	JUNE .	17 16 23	18 1 42
	○	2 10 45	2 3 2
	JULY .	17 5 7	17 9 24
	AUG. .	15 17 51	15 16 31
	SEPT. .	14 6 35	14 0 3
	OCT. .	13 19 19	13 8 59
	NOV. .	12 8 3	11 20 0
	DEC. .	11 20 47	11 9 29
	○	26 15 9	26 23 57
1834. E.	JAN. .	10 9 31	10 1 20
	FEB. .	8 22 15	8 18 57
21 4 8	MAR. .	10 10 59	10 13 17
	APRIL	8 23 43	9 6 57
	MAY .	8 12 27	8 22 52
	JUNE .	7 1 11	7 12 20
	○	21 19 33	21 10 43
	JULY .	6 13 55	6 23 22
	AUG. .	5 2 39	5 8 33
	SEPT. .	3 15 23	3 16 50
	OCT. .	3 4 7	3 1 12
	NOV. .	1 16 51	1 10 25
		1 5 35	30 21 2
	DEC. ○	15 23 57	16 7 13
		30 18 19	30 9 16
1835. D.	JAN. .	29 7 3	28 23 11
	FEB. .	27 19 47	27 14 35
21 9 57	MAR. .	29 8 32	29 7 0
	APRIL	27 21 16	27 23 40
	MAY .	27 10 10	27 15 45
	○	11 4 22	11 1 7
	JUNE .	25 22 44	26 6 27
	JULY .	25 11 28	25 19 22
	AUG. .	24 0 12	24 6 39
	SEPT. .	22 12 56	22 16 49
	OCT. .	22 1 40	22 2 37
	NOV. .	20 14 24	20 12 38
	DEC. .	20 3 8	19 23 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1836.		*d. h. m.*	*d. h. m.*
C.B. March. *d. h. m.* 20 15 45	JAN.	18 15 53	18 10 35
	FEB.	17 4 37	16 22 39
	MAR.	17 17 21	17 11 36
	APRIL	16 6 5	16 1 30
	○	1 0 27	1 10 36
	MAY	15 18 49	15 16 19
	JUNE	14 7 33	14 7 41
	JULY	13 20 17	13 23 2
	AUG.	12 9 1	12 13 45
	SEPT.	10 21 45	11 8 23
	OCT.	10 10 29	10 15 57
	○	25 4 51	24 15 30
	NOV.	8 23 13	9 3 43
	DEC.	8 11 57	8 15 1
1837. A. 20 21 34	JAN.	7 0 41	7 1 58
	FEB.	5 13 25	5 12 41
	MAR.	7 2 9	6 23 16
	APRIL	5 14 53	5 9 57
	○	20 9 15	20 23 4
	MAY	5 3 37	4 21 16
	JUNE	3 16 21	3 9 47
	JULY	3 5 5	2 23 44
	AUG.	1 17 49	1 14 55
		31 6 33	31 6 49
	SEPT.	29 19 17	29 22 39
	○	14 13 39	14 1 22
	OCT.	29 8 1	29 13 50
	NOV.	27 20 45	28 3 57
	DEC.	27 9 29	27 16 52
1838. G. 21 3 23	JAN.	25 22 14	26 4 33
	FEB.	24 10 58	24 15 0
	MAR.	25 23 42	26 0 28
	○	9 18 4	10 4 12
	APRIL	24 12 26	24 9 24
	MAY	24 1 10	23 18 33
	JUNE	22 13 54	22 4 47
	JULY	22 2 38	21 16 54
	AUG.	20 15 22	20 7 12
	SEPT.	19 4 6	18 23 27
	○	3 22 28	3 16 44
	OCT.	18 16 50	18 16 51
	NOV.	17 5 31	17 10 19
	DEC.	16 18 18	17 2 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1839.		*d. h. m.*	*d. h. m.*
F. March. *d. h. m.* 21 9 12	JAN.	15 7 2	15 17 36
	FEB.	13 19 46	14 6 14
	MAR.	15 8 30	15 16 50
	APRIL	13 21 14	14 1 43
	MAY	13 9 58	13 9 30
	JUNE	11 22 42	11 17 6
	JULY	11 11 26	11 1 33
	AUG.	10 0 10	9 11 58
	SEPT.	8 12 54	8 0 51
	OCT.	8 1 38	7 16 36
	NOV.	6 14 22	6 10 33
	DEC.	6 3 6	6 5 31
1840. E.D. 20 15 1	JAN.	4 15 50	4 23 57
	FEB.	3 4 34	3 16 33
	○	17 22 56	17 10 14
	MAR.	3 17 18	4 6 29
	APRIL	2 6 3	2 17 41
	MAY	1 18 47	2 2 31
		31 7 31	31 9 50
	JUNE	29 20 15	29 16 35
	JULY	29 8 59	29 0 31
	○	13 3 21	13 9 44
	AUG.	27 21 43	27 8 55
	SEPT.	26 10 27	25 20 32
	OCT.	25 23 11	25 11 13
	NOV.	24 11 55	24 4 44
	DEC.	24 0 39	24 0 1
1841. C. 20 20 50	JAN.	22 13 24	22 19 30
	○	6 7 46	6 4 33
	FEB.	21 2 8	21 13 28
	MAR.	22 14 52	23 4 45
	APRIL	21 3 36	21 16 57
	MAY	20 16 20	21 2 22
	JUNE	19 5 4	19 9 54
	JULY	18 17 48	18 16 36
	○	2 12 10	2 12 31
	AUG.	17 6 32	16 23 33
	SEPT.	15 19 16	15 7 53
	OCT.	15 8 0	14 18 28
	NOV.	13 20 44	13 7 52
	DEC.	13 9 28	13 0 10

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1842.		d. h. m.	d. h. m.
B.	JAN. .	11 22 12	11 18 37
	○	26 16 34	26 20 14
March. d. h. m. 21 2 38	FEB. .	10 10 56	10 13 53
	MAR. .	11 23 40	12 8 23
	APRIL	10 12 24	11 0 43
	MAY .	10 1 8	10 14 12
	JUNE .	8 13 52	9 0 50
	JULY .	8 2 36	8 9 20
	○	22 20 58	22 13 19
	AUG. .	6 15 20	6 16 42
	SEPT. .	5 4 4	5 0 3
	OCT. .	4 16 43	4 8 21
	NOV. .	3 5 32	2 18 24
	DEC. .	2 18 16	2 6 41
		...	31 21 20
1843. A.	JAN. .	1 7 0	...
		30 19 45	30 14 3
	FEB. .	...	...
21 8 27	MAR. .	1 8 29	1 7 57
		30 21 13	31 1 54
	APRIL	29 9 57	29 18 39
	MAY .	28 22 41	29 9 21
	JUNE .	27 11 25	27 21 36
	JULY .	27 0 9	27 7 44
	AUG. .	25 12 53	25 16 32
	SEPT. .	24 1 37	24 0 53
	OCT. .	23 14 21	23 9 53
	NOV. .	22 3 5	21 19 54
	○	6 21 27	7 2 34
	DEC. .	21 15 49	21 7 21
1844. G.F.	JAN. .	20 4 34	19 20 21
	FEB. .	18 17 18	18 10 50
20 14 16	MAR. .	19 6 2	19 2 30
	APRIL	17 18 46	17 18 53
	MAY .	17 7 30	17 11 10
	○	1 1 52	1 1 20
	JUNE .	15 20 14	16 2 35
	JULY .	15 8 58	15 16 30
	AUG. .	13 21 42	14 4 45
	SEPT. .	12 10 26	12 15 33
	OCT. .	11 23 10	12 1 48
	NOV. .	10 11 54	10 11 53
	○	25 6 16	25 2 15
	DEC. .	10 0 38	9 22 20

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1845.		d. h. m.	d. h. m.
E. March. d. h. m. 20 20 5	JAN. .	8 13 22	8 9 1
	FEB. .	7 2 6	6 20 5
	MAR. .	8 14 50	8 9 3
	APRIL	7 3 34	6 22 1
	MAY .	6 16 18	6 12 16
	○	21 10 40	21 18 25
	JUNE .	5 5 2	5 3 13
	JULY .	4 17 46	4 18 36
	AUG. .	3 6 30	3 9 47
	SEPT. .	1 19 14	2 0 13
	OCT. .	1 7 58	1 13 36
		30 20 42	31 2 2
	○	14 15 4	14 3 15
	NOV. .	29 9 26	29 13 46
	DEC. .	28 22 10	29 1 0
1846. D.	JAN. .	27 10 55	27 11 50
	FEB. .	25 23 39	25 22 18
21 1 54	MAR. .	27 12 23	27 8 36
	APRIL	26 1 7	25 19 16
	MAY .	25 13 51	25 6 51
	JUNE .	24 2 35	23 19 53
	JULY .	23 15 19	23 10 27
	AUG. .	22 4 3	22 2 10
	SEPT. .	20 16 47	20 18 20
	OCT. .	20 5 31	20 10 13
	NOV. .	18 18 15	19 1 11
	DEC. .	18 6 59	18 14 55
1847. C.	JAN. .	16 19 44	17 3 18
	FEB. .	15 8 28	15 14 18
21 7 43	MAR. .	16 21 12	17 0 3
	○	31 15 34	31 23 27
	APRIL	15 9 56	15 8 58
	MAY .	14 22 40	14 17 39
	JUNE .	13 11 24	13 3 2
	JULY .	13 0 8	12 13 59
	AUG. .	11 12 52	11 3 9
	SEPT. .	10 1 36	9 18 34
	○	24 19 58	24 16 33
	OCT. .	9 14 20	9 11 41
	NOV. .	8 3 4	8 5 30
	DEC. .	7 15 48	7 22 51

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1848.		d. h. m.	d. h. m.
B.A. March. d. h. m. 20 13 31	JAN. .	6 4 32	6 14 44
	FEB. .	4 17 16	5 4 31
	MAR. .	5 6 0	5 16 8
	○	20 0 22	19 23 17
	APRIL	3 18 44	4 1 33
	MAY .	3 7 28	3 9 36
	JUNE .	1 20 12	1 17 0
	JULY .	1 8 56	1 0 46
		30 21 40	30 9 58
	AUG. .	29 10 24	28 21 31
	○	13 4 46	13 8 27
		27 23 8	27 12 1
	SEPT. .	27 11 52	27 5 6
	OCT. .	26 0 36	25 23 55
	NOV. .	25 13 20	25 18 57
	DEC. .		
1849. G. 20 19 20	JAN. .	24 2 5	24 12 43
	FEB. .	22 14 49	23 4 2
	○	9 9 11	9 8 16
	MAR. .	24 8 33	24 16 29
	APRIL	22 16 17	23 2 16
	MAY .	22 5 1	22 10 7
	JUNE .	20 17 45	20 16 46
	JULY .	20 6 29	19 23 49
	AUG. .	18 19 13	18 7 51
	○	2 13 35	2 19 57
	SEPT. .	17 7 57	16 18 7
	OCT. .	16 20 41	16 7 19
	NOV. .	15 9 25	14 23 36
	DEC. .	14 22 9	14 18 13
1850. F. 21 1 9	JAN. .	13 10 58	13 13 51
	FEB. .	11 23 37	12 8 44
	MAR. .	13 12 21	14 1 23
	APRIL	12 1 5	12 15 2
	MAY .	11 13 49	12 1 42
	JUNE .	10 2 33	10 10 0
	JULY .	9 15 17	9 16 58
	AUG. .	8 4 1	7 23 44
	SEPT. .	6 16 45	6 7 21
	OCT. .	6 5 29	5 16 48
	NOV. .	4 18 13	4 4 52
	DEC. .	4 6 57	3 19 47

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1851. E. March. d. h. m. 21 6 58		d. h. m.	d. h. m.
	JAN. .	2 19 41	2 13 15
	○	17 14 3	17 19 15
	FEB. .	1 8 25	1 8 11
	MAR. .	2 21 9	3 3 7
	APRIL	1 9 54	1 20 34
		30 22 38	1 11 26
	MAY .	30 11 22	30 23 26
	JUNE .	29 0 6	29 8 55
	○	13 18 23	13 9 41
	JULY .	28 12 50	28 16 48
	AUG. .	27 1 34	27 0 10
	SEPT. .	25 14 18	25 8 3
	OCT. .	25 3 2	24 17 18
	NOV. .	23 15 46	23 4 31
	DEC. .	23 4 30	22 17 59
	○	6 22 52	7 8 37
1852. D.C. 20 12 47	JAN. .	21 17 14	21 9 37
	FEB. .	20 5 59	20 2 50
	MAR. .	20 18 43	20 20 41
	APRIL	19 7 27	19 13 59
	MAY .	18 20 11	19 5 42
	JUNE .	17 8 55	17 19 11
	○	2 3 17	1 17 50
	JULY .	16 21 39	17 6 25
	AUG. .	15 10 23	15 15 57
	SEPT. .	13 23 7	14 0 39
	OCT. .	13 11 51	13 9 28
	NOV. .	12 0 35	11 19 3
	DEC. .	11 13 19	11 5 51
	○	26 7 41	26 15 31
1853. B. 20 18 35	JAN. .	10 2 3	9 18 1
	FEB. .	8 14 47	8 7 36
	MAR. .	10 3 31	9 22 27
	APRIL	8 16 15	8 14 15
	MAY .	8 4 59	8 6 26
	JUNE .	6 17 43	6 22 16
	○	21 12 5	21 8 31
	JULY .	6 6 27	6 13 3
	AUG. .	4 19 11	5 2 16
	SEPT. .	3 7 55	3 14 1
	OCT. .	2 20 39	3 0 44
	NOV. .	1 9 23	1 11 3
		30 22 7	30 21 23
	DEC. .	30 10 51	30 8 13

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1854.		*d. h. m.*	*d. h. m.*
A. March. *d. h. m.* 21 0 24	JAN. .	28 23 36	28 19 24
	FEB. .	27 12 20	27 7 4
	MAR. .	29 1 4	28 19 25
	APRIL	27 18 48	27 8 41
	○	12 8 10	12 18 15
	MAY .	27 2 32	26 23 0
	JUNE .	25 15 16	25 14 7
	JULY .	25 4 0	25 5 31
	AUG. .	23 16 44	23 20 33
	SEPT. .	22 5 28	22 10 45
	OCT. .	21 18 12	21 23 57
	○	5 12 34	4 23 26
	NOV. .	20 6 56	20 12 16
	DEC. .	19 19 40	19 23 53
1855. G. 21 6 13	JAN. .	18 8 25	18 10 57
	FEB. .	16 21 9	16 21 28
	MAR. .	18 9 53	18 5 37
	APRIL	16 22 37	16 17 45
	○	1 16 59	1 6 28
	MAY .	16 11 21	16 4 31
	JUNE .	15 0 5	14 16 34
	JULY .	14 12 49	14 6 16
	AUG. .	13 1 33	12 21 29
	SEPT. .	11 14 17	11 13 42
	OCT. .	11 8 1	11 6 4
	○	25 21 23	25 9 36
	NOV. .	9 15 45	9 21 51
	DEC. .	9 4 29	9 12 29
1856. F.E. 20 12 2	JAN. .	7 17 13	8 1 41
	FEB. .	6 5 57	6 13 21
	MAR. .	6 18 41	6 23 34
	APRIL	5 7 25	5 8 38
	○	20 1 47	20 11 17
	MAY .	4 20 9	4 17 7
	JUNE .	3 8 53	3 1 49
	JULY .	2 21 37	2 11 44
	AUG. .	1 10 21	31 23 39
		30 23 5	30 14 0
	SEPT. .	29 11 49	29 6 30
	○	14 6 11	14 1 0
	OCT. .	29 0 33	29 0 19
	NOV. .	27 13 17	27 18 17
	DEC. .	27 2 1	27 11 12

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1857.		*d. h. m.*	*d. h. m.*
D. March. *d. h. m.* 20 17 51	JAN. .	25 14 46	26 2 11
	FEB. .	24 3 30	24 14 48
	MAR. .	25 16 14	26 1 19
	APRIL	24 4 58	24 9 41
	MAY .	23 17 42	23 17 8
	JUNE .	22 6 26	22 0 26
	JULY .	21 19 10	21 8 43
	AUG. .	20 7 54	19 19 0
	SEPT. .	18 20 38	18 8 3
	OCT. .	18 9 22	18 0 0
	NOV. .	16 22 6	16 18 14
	DEC. .	16 10 50	16 13 29
1858. C. 20 23 40	JAN. .	14 23 35	15 8 12
	FEB. .	13 12 19	14 0 49
	○	28 6 41	28 0 32
	MAR. .	15 1 3	15 14 40
	APRIL	13 13 47	14 1 37
	MAY .	13 2 31	13 10 14
	JUNE .	11 15 15	11 17 19
	JULY .	11 3 59	11 0 0
	AUG. .	9 16 43	9 7 20
	○	24 11 5	24 16 43
	SEPT. .	8 5 27	7 16 26
	OCT. .	7 18 11	7 4 11
	NOV. .	6 6 55	5 19 1
	DEC. .	5 19 39	5 12 40
1859. B. 21 5 28	JAN. .	4 8 23	4 8 1
	FEB. .	2 21 7	3 3 26
	○	17 15 29	17 13 15
	MAR. .	4 9 51	4 21 17
	APRIL	2 22 35	3 12 26
	MAY .	2 11 19	3 0 23
	JUNE .	1 0 3	1 9 47
		30 12 47	30 17 17
	JULY .	30 1 31	30 0 4
	○	13 19 53	13 19 5
	AUG. .	28 14 15	28 7 13
	SEPT. .	27 2 59	26 15 47
	OCT. .	26 15 43	26 2 34
	NOV. .	25 4 27	24 16 6
	DEC. .	24 17 11	24 8 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1860. A.G.		d. h. m.	d. h. m.
	JAN. .	23 5 56	23 2 38
March. d. h. m. 20 11 17	○ FEB. .	7 0 18	7 5 6
		21 18 40	21 21 37
	MAR. .	22 7 24	22 15 50
	APRIL	20 20 8	21 7 58
	MAY .	20 8 52	20 21 21
	JUNE .	18 21 36	19 8 0
	JULY .	18 10 20	18 16 39
	○ AUG. .	2 4 42	1 19 57
		16 23 4	17 0 17
	SEPT. .	15 11 48	15 7 57
	OCT. .	15 0 32	14 16 36
	NOV. .	13 13 16	13 2 55
	DEC. .	13 2 0	12 15 16
1861. F. 20 17 6	JAN. .	11 14 44	11 5 46
	FEB. .	10 3 29	9 22 6
	MAR. .	11 16 13	11 15 32
	APRIL	10 4 57	10 9 1
	MAY .	9 17 41	10 1 29
	JUNE .	8 6 25	8 16 7
	JULY .	7 19 9	8 4 31
	AUG. .	6 7 53	6 14 58
	SEPT. .	4 20 37	5 0 11
	OCT. .	4 9 21	4 9 5
	NOV. .	2 22 5	2 18 25
	DEC. ○	2 10 49	2 4 41
		17 5 11	17 10 39
		31 23 33	31 16 10
1862. E. 20 22 55	JAN. .	30 12 17	30 4 55
	FEB. .	...	...
	MAR. .	1 1 1	28 18 54
		30 13 45	30 9 59
	APRIL	29 2 29	29 1 49
	MAY .	28 15 13	28 17 45
	○ JUNE .	12 9 35	12 8 48
		27 3 57	27 9 6
	JULY .	26 16 41	26 23 13
	AUG. .	25 5 25	25 11 54
	SEPT. .	23 18 9	23 23 21
	OCT. .	23 6 53	23 10 4
	NOV. .	21 19 37	21 20 34
	○ DEC. .	6 13 59	6 10 6
		21 8 21	21 7 15

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1863. D. March. d. h. m. 21 4 44		d. h. m.	d. h. m.
	JAN. .	19 21 5	19 18 12
	FEB. .	18 9 50	18 5 27
	MAR. .	19 22 34	19 17 10
	APRIL	18 11 18	18 5 41
	MAY .	18 0 2	17 19 10
	○ JUNE .	1 18 24	2 1 57
		16 12 46	16 9 45
	JULY .	16 1 30	16 1 8
	AUG. .	14 14 14	14 16 27
	SEPT. .	13 2 58	13 7 21
	OCT. .	12 15 42	12 21 21
	NOV. .	11 4 26	11 10 23
	○ DEC. .	25 22 48	25 11 20
		10 17 10	10 22 32
1864. C.B. 20 10 33	JAN. .	9 5 54	9 9 58
	FEB. .	7 18 39	7 20 42
	MAR. .	8 7 23	8 6 49
	APRIL	6 20 7	6 16 38
	MAY .	6 8 51	6 2 43
	JUNE .	4 21 35	4 13 50
	JULY .	4 10 19	4 2 31
	AUG. .	2 23 3	2 17 0
	SEPT. .	1 11 47	1 8 54
	OCT. .	1 0 31	1 1 31
		30 13 15	30 17 58
	NOV. .	29 1 59	29 9 30
	DEC. .	28 14 43	28 23 33
1865. A. 20 16 21	JAN. .	27 3 27	27 12 17
	FEB. .	25 16 11	25 22 57
	MAR. .	27 4 55	27 8 22
	○ APRIL	10 23 17	11 6 35
		25 17 39	25 16 50
	MAY .	25 6 23	25 1 5
	JUNE .	23 19 7	23 10 7
	JULY .	23 7 51	22 20 51
	AUG. .	21 20 35	21 9 57
	SEPT. .	20 9 19	20 1 32
	○ OCT. .	5 3 41	5 0 41
		19 22 8	19 19 0
	NOV. .	18 10 47	18 13 17
	DEC. .	17 23 31	18 7 4

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1866.		*d. h. m.*	*d. h. m.*
G. March. *d. h. m.* 20 22 10	JAN.	16 12 16	16 23 13
	FEB.	15 1 0	15 13 8
	MAR.	16 13 44	17 0 25
	○	31 8 6	31 6 39
	APRIL	15 2 28	15 9 38
	MAY	14 15 12	14 17 20
	JUNE	13 3 56	13 0 28
	JULY	12 16 40	12 8 1
	AUG.	11 5 24	10 17 9
	SEPT.	9 18 8	9 4 47
	○	24 12 30	24 16 19
	OCT.	9 6 52	8 19 22
	NOV.	7 19 36	7 12 44
	DEC.	7 8 20	7 7 47
1867. F. 21 3 59	JAN.	5 21 4	6 3 2
	FEB.	4 9 48	4 20 52
	MAR.	5 22 32	6 12 9
	○	20 16 54	20 11 11
	APRIL	4 11 16	5 0 27
	MAY	4 0 0	4 10 1
	JUNE	2 12 44	2 17 39
	JULY	2 1 28	2 0 21
		31 14 12	31 7 13
	AUG.	30 2 56	29 15 22
	○	13 21 13	14 2 55
	SEPT.	28 15 40	28 1 46
	OCT.	28 4 24	27 15 8
	NOV.	26 17 8	26 7 31
	DEC.	26 5 52	26 2 12
1868. E.D. 20 9 48	JAN.	24 18 37	24 21 46
	FEB.	23 7 21	23 16 33
	MAR.	23 20 5	24 9 4
	APRIL	22 8 49	22 22 33
	MAY	21 21 33	22 9 7
	JUNE	20 10 17	20 17 23
	JULY	19 23 1	20 0 25
	AUG.	18 11 45	18 7 21
	SEPT.	17 0 29	16 15 13
	OCT.	16 13 13	16 0 45
	NOV.	15 1 57	14 13 7
	DEC.	14 14 41	14 4 8

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1869. C. March. *d. h. m.* 20 15 37		*d. h. m.*	*d. h. m.*
	JAN.	13 8 26	12 21 23
	○	27 21 48	28 4 10
	FEB.	11 16 10	11 16 2
	MAR.	13 4 54	13 10 39
	APRIL	11 17 38	12 3 49
	MAY	11 6 22	11 13 32
	JUNE	9 19 6	10 6 31
	JULY	9 7 50	9 16 8
	○	24 2 12	23 16 23
	AUG.	7 20 34	8 0 16
	SEPT.	6 9 18	6 7 58
	OCT.	5 22 2	5 16 13
	NOV.	4 10 46	4 1 46
	DEC.	3 23 30	3 13 9
1870. B. 20 21 26	JAN.	2 12 14	2 2 33
	○	17 6 36	17 17 16
			31 17 51
	FEB.	1 0 58	...
	MAR.	2 13 42	2 10 36
	APRIL	1 2 26	1 3 56
		30 15 10	30 20 53
	MAY	30 3 54	30 12 25
	JUNE	28 16 38	29 1 58
	○	13 11 0	13 0 57
	JULY	28 5 22	28 13 28
	AUG.	26 18 6	26 23 24
	SEPT.	25 6 50	25 8 36
	OCT.	24 19 34	24 17 51
	NOV.	23 8 18	23 3 47
	DEC.	22 21 2	22 14 42
1871. A. 21 3 14	○	6 15 24	6 23 44
	JAN.	21 9 47	21 2 45
	FEB.	19 22 31	19 15 55
	MAR.	21 11 15	21 6 12
	APRIL	19 23 59	19 21 23
	MAY	19 12 48	19 13 9
	JUNE	18 1 27	18 4 47
	○	2 19 49	2 15 56
	JULY	17 14 11	17 19 37
	AUG.	16 2 55	16 9 13
	SEPT.	14 15 39	14 21 30
	OCT.	14 4 23	14 8 48
	NOV.	12 17 7	12 19 36
	DEC.	12 5 51	12 6 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1872. G.F. March. d. h. m. 20 9 8	JAN.	10 18 35	10 17 11
	FEB.	9 7 20	9 4 10
	MAR.	9 20 4	9 15 28
	APRIL	8 8 48	8 3 8
	MAY	7 21 32	7 15 50
	○	22 15 54	23 1 46
	JUNE	6 10 16	6 5 40
	JULY	5 23 0	5 20 34
	AUG.	4 11 44	4 12 3
	SEPT.	3 0 28	3 3 28
	OCT.	2 18 12	2 18 13
	NOV. ○	1 1 56	1 8 3
		15 20 18	15 7 33
		30 14 40	30 20 50
	DEC.	30 3 24	30 8 48
1873. E. 20 14 52	JAN.	28 16 8	28 19 52
	FEB.	27 4 52	27 6 8
	MAR.	28 17 36	28 15 49
	APRIL	27 6 20	27 1 25
	○	12 0 42	12 13 42
	MAY	26 19 4	26 11 40
	JUNE	25 7 48	24 23 19
	JULY	24 20 32	24 12 49
	AUG.	23 9 16	23 4 7
	SEPT.	21 22 0	21 20 40
	OCT.	21 10 44	21 13 35
	○	5 5 6	4 17 58
	NOV.	19 23 28	20 5 56
	DEC.	19 12 12	19 21 2
1874. D. 20 20 41	JAN.	18 0 57	18 10 28
	FEB.	16 13 41	16 22 5
	MAR.	18 2 25	18 8 1
	APRIL	16 15 9	16 16 41
	○	1 9 31	1 18 15
	MAY	16 8 53	16 0 45
	JUNE	14 16 37	14 9 4
	JULY	14 5 21	13 18 42
	AUG.	12 18 5	12 6 32
	SEPT.	11 6 49	10 20 54
	OCT.	10 19 33	10 13 44
	○	25 13 55	25 9 24
	NOV.	9 8 17	9 7 57
	DEC.	8 21 1	9 2 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
		d. h. m.	d. h. m.
A.D. 1875. C. March. d. h. m. 21 2 30	JAN.	7 9 45	7 19 34
	FEB.	5 22 29	6 10 40
	MAR.	7 11 13	7 23 12
	APRIL	5 23 58	6 9 19
	MAY	5 12 42	5 17 30
	JUNE	4 1 26	4 0 40
	JULY	3 14 10	3 7 47
	AUG.	2 2 54	1 15 57
		31 15 38	31 2 15
	SEPT.	30 4 22	29 15 24
	OCT.	29 17 6	29 7 34
	NOV.	28 5 50	28 2 2
	DEC.	27 18 34	27 21 30
1876. B.A. 20 8 19	JAN.	26 7 18	26 16 16
	FEB.	24 20 2	25 8 55
	○	10 14 24	10 8 41
	MAR.	25 8 46	25 22 38
	APRIL	23 21 30	24 9 24
	MAY	23 10 14	23 17 48
	JUNE	21 22 58	22 0 47
	JULY	21 11 42	21 7 26
	AUG.	20 0 26	19 14 51
	○	8 18 48	8 23 45
	SEPT.	18 13 10	18 0 5
	OCT.	18 1 54	17 12 0
	NOV.	16 14 38	16 2 58
	DEC.	16 3 22	15 20 39
1877. G. 20 14 7	JAN.	14 16 7	14 15 58
	FEB.	13 4 51	13 11 16
	○	27 23 13	27 21 51
	MAR.	14 17 35	15 4 58
	APRIL	13 6 19	13 19 57
	MAY	12 19 3	13 7 58
	JUNE	11 7 47	11 17 8
	JULY	10 20 31	11 0 41
	AUG.	9 9 15	9 7 38
	○	24 3 37	24 1 44
	SEPT.	7 21 59	7 15 2
	OCT.	7 10 43	6 23 50
	NOV.	5 23 27	5 10 49
	DEC.	5 12 11	5 0 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1878.		d. h. m.	d. h. m.
F.	JAN. .	4 0 55	3 16 35
March.	FEB. .	2 13 40	2 10 36
d. h. m.	○	17 8 2	17 13 53
20 19 56	MAR. .	4 2 24	4 5 14
	APRIL	2 15 8	2 23 7
	MAY .	2 3 52	2 15 2
		31 16 36	1 4 21
	JUNE .	30 5 20	30 15 8
	JULY .	29 18 4	29 23 59
	○	13 12 26	13 2 41
	AUG. .	28 6 48	28 7 57
	SEPT. .	26 19 32	26 16 1
	OCT. .	26 8 16	26 1 0
	NOV. .	24 21 0	24 11 33
	DEC. .	24 9 44	23 23 56
1879.	JAN. .	22 22 28	22 14 12
E.	FEB. .	21 11 12	21 6 5
21 1 45	MAR. .	22 23 56	22 22 58
	APRIL	21 12 40	21 16 2
	MAY .	21 1 24	21 8 12
	JUNE .	19 14 8	19 22 48
	JULY .	19 2 52	19 11 24
	AUG. .	17 15 36	17 22 14
	SEPT. .	16 4 20	16 7 56
	OCT. .	15 17 4	15 17 18
	NOV. .	14 5 48	14 3 3
	DEC. .	13 18 32	13 13 34
	○	28 12 54	28 18 44
1880.	JAN. .	12 7 16	12 1 0
D.C.	FEB. .	10 20 1	10 13 27
20 7 34	MAR. .	11 8 45	11 2 54
	APRIL	9 21 29	9 17 23
	MAY .	9 10 13	9 8 39
	JUNE .	7 22 57	8 0 17
	○	22 17 19	22 16 17
	JULY .	7 11 41	7 15 35
	AUG. .	6 0 25	6 5 59
	SEPT. .	4 13 9	4 19 8
	OCT. .	4 1 53	4 7 9
	NOV. .	2 14 37	2 18 26
	DEC. ○	2 3 21	2 5 23
		16 21 43	16 18 2
		31 16 5	31 16 14

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1881.		d. h. m.	d. h. m.
B.	JAN. .	30 4 49	30 3 5
March.	FEB. .	28 17 33	28 13 58
d. h. m.	MAR. .	30 6 17	30 1 7
20 13 28	APRIL	28 19 1	28 13 0
	MAY .	28 7 45	28 1 59
	○	12 2 7	12 9 23
	JUNE .	26 20 29	26 16 15
	JULY .	26 9 13	26 7 30
	AUG. .	24 21 57	24 23 9
	SEPT. .	23 10 41	23 14 35
	OCT. .	22 23 25	23 5 11
	NOV. .	21 12 9	21 18 47
	○	6 6 31	5 19 30
	DEC. .	21 0 53	21 7 21
1882.	JAN. .	19 13 38	19 18 54
A.	FEB. .	18 2 22	18 5 38
20 19 12	MAR. .	19 15 6	19 15 12
	APRIL	18 3 50	18 0 30
	MAY .	17 16 34	17 10 5
	JUNE .	16 5 18	15 20 45
	JULY .	15 18 2	15 9 10
	AUG. .	14 6 46	13 23 35
	SEPT. .	12 19 30	12 15 44
	OCT. .	12 8 14	12 8 49
	NOV. .	10 20 58	11 1 50
	DEC. .	10 9 42	10 17 32
1883.	JAN. .	8 22 26	9 8 18
G.	FEB. .	7 11 11	7 20 51
21 1 0	MAR. .	8 23 55	9 7 30
	APRIL	7 12 39	7 16 34
	○	22 7 1	22 13 37
	MAY .	7 1 23	7 0 37
	JUNE .	5 14 7	5 8 30
	JULY .	5 2 51	4 17 13
	AUG. .	3 15 35	3 3 47
	SEPT. .	2 4 19	1 16 54
	OCT. ○	1 17 3	1 8 40
		16 11 25	16 8 58
		31 5 47	31 2 30
	NOV. .	29 18 31	29 21 10
	DEC. .	29 7 15	29 15 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon (○ Full Ecl.)
A.D. 1884.		*d. h. m.*	*d. h. m.*
F.E. March. *d. h. m.* 20 6 49	JAN. .	27 19 59	28 7 38
	FEB. .	26 8 43	26 21 27
	MAR. .	26 21 27	27 8 36
	○	10 15 49	10 13 52
	APRIL	25 10 11	25 17 32
	MAY .	24 22 55	25 0 58
	JUNE .	23 11 39	23 7 52
	JULY .	23 0 23	22 15 19
	AUG. .	21 13 7	21 0 26
	SEPT. .	20 1 51	19 12 7
	○	4 20 13	5 0 15
	OCT. .	19 14 35	19 2 54
	NOV. .	18 3 19	17 20 27
	DEC. .	17 16 3	17 15 42
1885. D. 20 12 38	JAN. .	16 4 48	16 11 5
	FEB. .	14 17 32	15 4 56
	MAR. .	16 6 16	16 20 8
	○	31 0 38	30 18 59
	APRIL	14 19 0	15 8 15
	MAY .	14 7 44	14 17 38
	JUNE .	12 20 28	13 1 9
	JULY .	12 9 12	12 7 48
	AUG. .	10 21 56	10 14 45
	SEPT. .	9 10 40	8 23 1
	○	24 5 2	24 10 19
	OCT. .	8 23 24	8 9 36
	NOV. .	7 12 8	6 23 7
	DEC. .	7 0 52	6 15 31
1886. C. 20 18 27	JAN. .	5 13 36	5 10 12
	FEB. .	4 2 21	4 5 40
	MAR. .	5 15 5	6 0 16
	APRIL	4 3 49	4 16 35
	MAY .	3 16 33	4 5 57
	JUNE .	2 5 17	2 16 27
	JULY .	1 18 1	2 0 45
		31 6 45	31 7 56
	AUG. .	29 19 29	29 15 4
	SEPT. .	28 8 13	27 23 12
	OCT. .	27 20 57	27 9 11
	NOV. .	26 9 41	25 21 31
	DEC. .	25 22 25	25 12 24

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1887. B.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 21 0 16	JAN. .	24 11 9	24 5 28
	○	8 5 31	8 12 57
	FEB. .	22 23 53	22 23 45
	MAR. .	24 12 37	24 18 1
	APRIL	23 1 21	23 10 53
	MAY .	22 14 5	23 1 30
	JUNE .	21 2 49	21 13 31
	JULY .	20 15 33	20 23 20
	○	4 9 55	3 23 10
	AUG. .	19 4 17	19 7 46
	SEPT. .	17 17 1	17 15 51
	OCT. .	17 5 45	17 0 30
	NOV. .	15 18 29	15 10 23
	DEC. .	15 7 13	14 21 52
1888. A.G. 20 6 5	JAN. .	13 19 57	13 11 8
	○	28 14 19	29 1 51
	FEB. .	12 8 41	12 2 2
	MAR. .	12 21 26	12 18 17
	APRIL	11 10 10	11 11 6
	MAY .	10 22 54	11 3 38
	JUNE .	9 11 38	9 19 3
	JULY .	9 0 22	9 8 41
	○	23 18 44	23 8 8
	AUG. .	7 13 6	7 20 34
	SEPT. .	6 1 50	6 6 58
	OCT. .	5 14 34	5 16 39
	NOV. .	4 3 18	4 2 22
	DEC. .	3 16 2	3 12 37
1889. F. 20 11 53	JAN. ○	2 4 46	1 23 38
		16 23 8	17 7 54
		31 17 30	31 11 27
	FEB. .	...	...
	MAR. .	2 6 14	2 0 8
		31 18 59	31 13 49
	APRIL	30 7 43	30 4 26
	MAY .	29 20 27	29 19 45
	JUNE .	28 9 11	28 11 14
	○	13 3 33	12 23 22
	JULY .	27 21 55	28 2 14
	AUG. .	26 10 39	26 16 14
	SEPT. .	24 23 23	25 5 5
	OCT. .	24 12 7	24 16 57
	NOV. .	23 0 51	23 4 17
	DEC. .	22 13 35	22 15 17

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1890.		d. h. m.	d. h. m.
E. March. d. h. m. 20 17 42	JAN.	21 2 19	21 2 9
	FEB.	19 15 8	19 12 47
	MAR.	21 8 47	20 23 34
	APRIL	19 16 31	19 10 44
	MAY	19 5 15	18 22 51
	○	2 23 37	8 9 12
	JUNE	17 17 59	17 12 16
	JULY	17 6 43	17 3 0
	AUG.	15 19 27	15 18 33
	SEPT.	14 8 11	14 10 28
	OCT.	13 20 55	14 1 49
	NOV.	12 9 39	12 16 14
	○	27 4 1	26 15 47
	DEC.	11 22 23	12 5 33
1891. D. 20 23 31	JAN.	10 11 7	10 17 42
	FEB.	8 23 52	9 4 43
	MAR.	10 12 36	10 14 40
	APRIL	9 1 20	8 23 54
	MAY	8 14 4	8 9 0
	○	28 8 26	28 20 50
	JUNE	7 2 48	6 18 48
	JULY	6 15 32	6 6 6
	AUG.	5 4 16	4 19 28
	SEPT.	3 17 0	3 10 54
	OCT.	3 5 44	3 3 48
	NOV.	1 18 28	1 21 13
	○	16 12 50	16 2 30
	DEC.	1 7 12	1 14 6
		30 19 56	31 5 35
1892. C.B. 20 5 20	JAN.	29 8 41	29 19 11
	FEB.	27 21 25	28 6 41
	MAR.	28 10 9	28 16 20
	APRIL	26 22 53	27 0 37
	○	11 17 15	12 1 4
	MAY	26 11 37	26 8 17
	JUNE	25 0 21	24 16 18
	JULY	24 13 5	24 1 45
	AUG.	23 1 49	22 13 31
	SEPT.	21 14 33	21 4 3
	OCT.	21 3 17	20 21 5
	○	4 21 39	4 17 57
	NOV.	19 16 1	19 15 41
	DEC.	19 4 45	19 10 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1893.		d. h. m.	d. h. m.
A. March. d. h. m. 20 11 9	JAN.	17 17 29	18 3 54
	FEB.	16 6 13	16 19 3
	MAR.	17 18 57	18 7 27
	APRIL	16 7 41	16 17 17
	MAY	15 20 25	16 1 14
	JUNE	14 9 9	14 3 10
	JULY	13 21 53	13 15 9
	AUG.	12 10 37	11 23 16
	SEPT.	10 23 21	10 9 38
	OCT.	10 12 5	9 22 55
	NOV.	9 0 49	8 15 14
	DEC.	8 13 33	8 9 53
1894. G. 20 16 58	JAN.	7 2 17	7 5 23
	FEB.	5 15 2	6 0 18
	MAR.	7 3 46	7 16 52
	○	21 22 8	21 16 44
	APRIL	5 16 30	6 6 27
	MAY	5 5 14	5 17 3
	JUNE	3 17 58	4 1 19
	JULY	3 6 42	3 8 14
	AUG.	1 19 26	1 14 56
		31 8 10	30 22 28
	○	15 2 32	15 6 55
	SEPT.	29 20 54	29 7 55
	OCT.	29 9 38	28 19 59
	NOV.	27 22 22	27 11 3
	DEC.	27 11 6	27 4 44
1895. F. 20 22 46	JAN.	25 23 50	25 23 53
	FEB.	24 12 31	24 19 0
	○	11 6 56	11 6 20
	MAR.	26 1 18	26 12 29
	APRIL	24 14 2	25 3 18
	MAY	24 2 46	24 15 8
	JUNE	22 15 30	23 0 26
	JULY	22 4 14	22 8 6
	AUG.	20 16 58	20 15 14
	○	4 11 20	4 8 30
	SEPT.	19 5 42	18 22 55
	OCT.	18 18 26	18 8 2
	NOV.	17 7 10	16 19 15
	DEC.	16 19 54	16 8 52

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1896. E.D.		*d. h. m.*	*d. h. m.*
March. *d. h. m.* 20 4 35	JAN. .	15 8 39	15 0 51
	FEB. .	13 21 23	13 18 30
	○	28 15 45	28 22 30
	MAR. .	14 10 7	14 12 43
	APRIL	12 22 51	13 6 15
	MAY .	12 11 35	12 21 57
	JUNE .	11 0 19	11 11 16
	JULY .	10 13 8	10 22 12
	AUG. .	9 1 47	9 7 21
	○	28 20 9	28 9 30
	SEPT. .	7 14 31	7 15 41
	OCT. .	7 8 15	7 0 10
	NOV. .	5 15 59	5 9 32
	DEC. .	5 4 43	4 20 17
1897. C. 20 10 24	JAN. .	3 17 27	3 8 38
	FEB. .	2 6 11	1 22 35
	MAR. .	3 18 56	3 13 58
	APRIL	2 7 40	2 6 18
	MAY .	1 20 24	1 22 52
		31 9 8	31 14 50
	JUNE .	29 21 52	30 5 26
	JULY .	29 10 36	29 18 18
	AUG. .	27 23 20	28 5 35
	SEPT. .	26 12 4	26 15 48
	OCT. .	26 0 48	26 1 41
	NOV. .	24 13 32	24 11 49
	DEC. .	24 2 16	23 22 31
	○	7 20 38	8 2 48
1898. B. 20 16 13	JAN. .	22 15 0	22 9 51
	FEB. .	21 8 44	20 21 54
	MAR. .	22 16 28	22 10 46
	APRIL	21 5 12	21 0 37
	MAY .	20 17 56	20 15 23
	JUNE .	19 6 40	19 6 44
	○	4 1 2	3 23 43
	JULY .	18 19 24	18 22 3
	AUG. .	17 8 8	17 12 46
	SEPT. .	15 20 52	16 2 27
	OCT. .	15 9 36	15 15 5
	NOV. .	13 22 20	14 2 55
	DEC. .	13 11 4	13 14 14
	○	28 5 26	28 1 59

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1899. A. March. *d. h. m.* 20 22 2		*d. h. m.*	*d. h. m.*
	JAN. .	11 23 48	12 1 13
	FEB. .	10 12 32	10 11 52
	MAR. .	12 1 16	11 22 21
	APRIL	10 14 1	10 8 59
	MAY .	10 2 45	9 20 16
	JUNE .	8 15 29	8 8 45
	○	23 9 51	23 16 47
	JULY .	8 4 18	7 22 44
	AUG. .	6 16 57	6 12 1
	SEPT. .	5 5 41	5 5 59
	OCT. .	4 18 25	4 21 55
	NOV. .	3 7 9	3 13 9
	DEC. .	2 19 53	3 3 18
	○	17 14 15	17 3 48
1900. G. 21 3 51	JAN. .	1 8 37	1 16 11
		30 21 22	31 3 46
	FEB. .	...	...
	MAR. .	1 10 6	1 14 6
		30 22 50	30 23 28
	APRIL	29 11 34	29 8 17
	MAY .	29 0 18	28 17 24
	○	12 18 40	13 5 57
	JUNE .	27 13 2	27 3 41
	JULY .	27 1 46	26 15 53
	AUG. .	25 14 30	25 6 20
	SEPT. .	24 3 14	23 22 44
	OCT. .	23 15 58	23 16 15
	NOV. .	22 4 42	22 9 47
	DEC. .	21 17 26	22 2 16
1901. F. 21 9 39	JAN. .	20 6 10	20 16 58
	FEB. .	18 18 54	19 5 29
	MAR. .	20 7 38	20 15 54
	APRIL	18 20 22	19 0 36
	MAY .	18 9 6	18 8 17
	JUNE .	16 21 50	16 15 51
	JULY .	16 10 34	16 0 21
	AUG. .	14 23 18	14 10 48
	SEPT. .	13 12 2	12 23 58
	OCT. .	13 0 46	12 15 57
	○	27 19 8	27 17 43
	NOV. .	11 13 30	11 10 4
	DEC. .	11 2 14	11 5 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1902.		d. h. m.	d. h. m.
E. March. d. h. m. 21 15 28	JAN. .	9 14 58	9 23 31
	FEB. .	8 8 43	8 15 58
	MAR. .	9 16 27	10 5 43
	APRIL	8 5 11	8 16 40
	○	22 23 33	22 20 59
	MAY .	7 17 55	8 1 19
	JUNE .	6 6 39	6 8 32
	JULY .	5 19 23	5 15 16
	AUG. .	4 8 7	3 22 41
	SEPT. .	2 20 51	2 7 50
	OCT. ○	2 9 35	1 19 40
		17 3 57	17 8 21
		31 22 19	31 10 35
	NOV. .	30 11 3	30 4 17
	DEC. .	29 23 47	29 23 40
1903. D. 21 21 17	JAN. .	28 12 32	28 19 6
	FEB. .	27 1 16	27 12 54
	MAR. .	28 14 0	29 8 57
	○	12 8 22	12 2 40
	APRIL	27 2 44	27 15 54
	MAY .	26 15 28	27 1 10
	JUNE .	25 4 12	25 8 36
	JULY .	24 16 56	24 15 17
	AUG. .	23 5 40	22 22 21
	SEPT. .	21 18 24	21 6 49
	○	6 12 46	6 17 50
	OCT. .	21 7 8	20 17 36
	NOV. .	19 19 52	19 7 14
	DEC. .	19 8 36	18 23 41
1904. C.B. 21 8 6	JAN. .	17 21 20	17 18 13
	FEB. .	16 10 4	16 13 27
	MAR. .	16 22 48	17 7 47
	APRIL	15 11 32	15 23 55
	MAY .	15 0 16	15 13 11
	JUNE .	13 13 0	13 23 39
	JULY .	13 1 44	13 8 3
	AUG. .	11 14 28	11 15 26
	SEPT. .	10 3 12	9 22 53
	OCT. .	9 15 56	9 7 21
	NOV. .	8 4 40	7 17 35
	DEC. .	7 17 24	7 6 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1905.		d. h. m.	d. h. m.
A. March. d. h. m. 21 8 55	JAN. .	6 6 8	5 20 4[illegible]
	FEB. .	4 18 53	4 13 3[illegible]
	○	19 13 15	19 21 4[illegible]
	MAR. .	6 7 37	6 7 2[illegible]
	APRIL	4 20 21	5 1 14
	MAY .	4 9 5	4 17 50
	JUNE .	2 21 49	3 8 21
	JULY .	2 10 33	2 20 28
		31 23 17	1 6 33
	○	15 17 39	15 6 3
	AUG. .	30 12 1	30 15 22
	SEPT. .	29 0 45	28 23 53
	OCT. .	28 13 29	28 8 56
	NOV. .	27 2 13	26 19 6
	DEC. .	26 14 57	26 6 3[illegible]
1906. G. 21 14 44	JAN. .	25 3 41	24 19 42
	○	8 22 3	9 10 29
	FEB. .	23 16 25	23 10 10
	MAR. .	25 5 9	25 1 48
	APRIL	23 17 53	23 18 5
	MAY .	23 6 37	23 10 16
	JUNE .	21 19 21	22 1 33
	JULY .	21 8 5	21 15 27
	○	5 2 27	4 15 21
	AUG. .	19 20 49	20 3 41
	SEPT. .	18 9 33	18 14 3[illegible]
	OCT. .	17 22 17	18 0 50
	NOV. .	16 11 1	16 11 2
	DEC. .	15 23 45	15 21 31
1907. F. 21 20 32	JAN. .	14 12 29	14 8 32
	○	29 6 51	29 16 1
	FEB. .	13 1 13	12 20 4
	MAR. .	14 13 58	14 8 16
	APRIL	13 2 42	12 21 19
	MAY .	12 15 26	12 11 22
	JUNE .	11 4 10	11 2 17
	JULY .	10 16 54	10 17 40
	○	25 11 16	25 6 47
	AUG. .	9 5 38	9 8 51
	SEPT. .	7 18 22	7 23 18
	OCT. .	7 7 6	7 12 45
	NOV. .	5 19 50	6 1 14
	DEC. .	5 8 34	5 13 1

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1908.		*d. h. m.*	*d. h. m.*
E.D.	JAN.	8 21 18	4 0 15
March.	FEB.	2 10 8	2 11 2
d. h. m.	MAR.	2 22 47	2 21 26
21 2 21	APRIL	1 11 31	1 7 39
	MAY	1 0 15	30 18 15
		30 12 59	30 5 49
	JUNE	29 1 43	28 18 54
	JULY	28 14 27	28 9 32
	AUG.	27 8 11	27 1 19
	SEPT.	25 15 55	25 17 35
	OCT.	25 4 39	25 9 31
	NOV.	23 17 23	24 0 32
	DEC.	23 6 7	23 14 15
1909.	JAN.	21 18 51	22 2 33
C.	FEB.	20 7 35	20 13 26
21 8 10	MAR.	21 20 19	21 23 4
	APRIL	20 9 8	20 7 51
	MAY	19 21 47	19 16 28
	○	8 16 9	4 8 49
	JUNE	18 10 31	18 1 51
	JULY	17 23 15	17 12 54
	AUG.	16 11 59	16 2 12
	SEPT.	15 0 43	14 17 46
	OCT.	14 13 27	14 11 8
	NOV.	13 2 11	13 4 57
	○	27 20 33	27 11 9
	DEC.	12 14 55	12 22 19
1910.	JAN.	11 3 39	11 14 8
B.	FEB.	9 16 24	10 8 47
21 13 59	MAR.	11 5 8	11 15 8
	APRIL	9 17 52	10 0 29
	MAY	9 6 36	9 8 25
	○	24 0 58	24 7 46
	JUNE	7 19 20	7 15 45
	JULY	7 8 4	6 23 31
	AUG.	5 20 48	5 8 50
	SEPT.	4 9 32	3 20 37
	OCT.	3 22 16	3 11 16
	NOV.	2 11 0	2 4 34
	○	17 5 22	17 2 36
	DEC.	1 23 44	1 23 29
		31 12 28	31 18 32

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1911.		*d. h. m.*	*d. h. m.*
A.	JAN.	30 1 12	30 12 9
March.	FEB.	28 13 56	...
d. h. m.	MAR.	30 2 41	1 3 17
21 19 48	APRIL	28 15 25	30 15 32
	MAY	28 4 9	29 1 10
	JUNE	26 16 53	28 8 51
	JULY	26 5 37	26 15 37
	AUG.	24 18 21	25 22 32
	SEPT.	23 7 5	24 6 43
	OCT.	22 19 49	22 17 10
	NOV.	21 8 33	22 6 37
	DEC.	20 21 17	20 23 5
1912.	JAN.	19 10 1	20 17 51
G.F.	FEB.	17 22 45	19 13 23
21 1 37	MAR.	18 11 29	18 8 13
	○	2 5 51	19 0 40
	APRIL	17 0 13	2 0 40
	MAY	16 12 57	17 14 6
	JUNE	15 1 41	17 0 34
	JULY	14 14 25	15 8 44
	AUG.	13 3 9	14 15 39
	SEPT.	11 15 53	12 22 29
	○	26 10 15	11 6 14
	OCT.	11 4 37	26 14 10
	NOV.	9 17 21	10 15 53
	DEC.	9 6 5	9 4 8
1913.	JAN.	7 18 49	8 19 15
E.	FEB.	6 7 34	7 12 49
21 7 25	MAR.	7 20 18	6 7 46
	○	22 14 40	8 2 36
	APRIL	6 9 2	22 14 43
	MAY	5 21 46	6 19 50
	JUNE	4 10 30	6 10 31
	JULY	3 23 14	4 22 18
	AUG.	2 11 58	4 7 40
	SEPT. ○	1 0 42	2 15 32
		15 19 4	31 22 58
		30 13 26	15 15 22
	OCT.	30 2 10	30 7 0
	NOV.	28 14 54	29 16 25
	DEC.	28 3 38	28 3 47
			27 17 21

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1914. D. March. d. h. m. 21 13 14		d. h. m.	d. h. m.
	JAN. .	26 16 23	26 9 7
	FEB. .	25 5 7	25 2 19
	○ MAR. .	11 23 29 26 17 51	12 7 3 26 20 8
	APRIL	25 6 35	25 13 13
	MAY .	24 19 19	25 4 46
	JUNE .	23 8 8	23 18 7
	JULY .	22 20 47	23 5 16
	AUG. .	21 9 31	21 14 48
	○ SEPT. .	5 3 53 19 22 15	4 16 23 19 23 31
	OCT. .	19 10 59	19 8 29
	NOV. .	17 23 43	17 18 13
	DEC. .	17 12 27	17 5 6
1915. C. 21 19 8	JAN. .	16 1 11	15 17 21
	FEB. .	14 13 55	14 6 56
	MAR. .	16 2 39	15 21 45
	APRIL	14 15 23	14 13 30
	MAY .	14 4 7	14 5 36
	JUNE .	12 16 51	12 21 22
	JULY .	12 5 35	12 12 2
	AUG. .	10 18 19	11 1 14
	SEPT. .	9 7 3	9 13 0
	OCT. .	8 19 47	8 23 47
	NOV. .	7 8 31	7 10 10
	DEC. .	6 21 15	6 20 33
1916. B.A. 21 0 52	JAN. .	5 9 59	5 7 27
	○ FEB. .	20 4 22 3 22 44	20 10 52 3 18 39
	MAR. .	4 11 28	4 6 16
	APRIL	3 0 12	2 18 33
	MAY .	2 12 56	2 7 47
	JUNE .	1 1 40 30 14 24	31 22 5 30 13 12
	○ JULY .	15 8 46 30 3 8	15 7 9 30 4 36
	AUG. .	28 15 52	28 19 39
	SEPT. .	27 4 36	27 9 53
	OCT. .	26 17 20	26 23 8
	NOV. .	25 6 4	25 11 30
	DEC. .	24 18 48	24 23 9

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1917. G. March. d. h. m. 21 6 41		d. h. m.	d. h. m.
	○ JAN. .	8 13 10 23 7 33	8 10 1 23 10 11
	FEB. .	21 20 17	21 20 37
	MAR. .	23 9 1	23 6 39
	APRIL	21 21 45	21 16 4[illegible]
	MAY .	21 10 29	21 3 27
	JUNE .	19 23 13	19 15 32
	○ JULY .	4 17 35 19 11 57	5 0 6 19 5 17
	AUG. .	18 0 41	17 20 37
	SEPT. .	16 13 25	16 12 55
	OCT. .	16 2 9	16 5 23
	NOV. .	14 14 53	14 21 13
	DEC. .	14 3 37	14 11 51
	○	28 21 59	28 12 9
1918. F. 21 12 30	JAN. .	12 16 21	13 1 0
	FEB. .	11 5 5	11 12 33
	MAR. .	12 17 49	12 22 39
	APRIL	11 6 33	11 7 34
	MAY .	10 19 17	10 15 57
	JUNE .	9 8 1	9 0 33
	○ JULY .	24 2 23 8 20 45	24 12 57 8 10 36
	AUG. .	7 9 29	6 22 39
	SEPT. .	5 22 13	5 13 10
	OCT. .	5 10 57	5 5 50
	NOV. .	3 23 41	3 23 46
	DEC. .	3 12 25	3 17 49
1919. E. 21 18 18	JAN. .	2 1 9 31 13 54	2 10 40 1 1 32
	FEB. .	...	...
	MAR. .	2 2 38 31 15 22	2 13 59 1 0 9
	APRIL	30 4 6	30 8 32
	MAY .	29 16 50	29 15 52
	JUNE .	28 5 34	27 23 10
	JULY .	27 18 18	27 7 31
	AUG. .	26 7 2	25 17 57
	SEPT. .	24 19 46	24 7 13
	OCT. .	24 8 30	23 23 23
	○ NOV. .	8 2 52 22 21 14	8 1 56 22 17 48
	DEC. .	22 9 58	22 13 5

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1920.		*d. h. m.*	*d. h. m.*
D.C.	JAN. .	20 22 42	21 7 40
March.	FEB. .	19 11 26	20 0 10
d. h. m.	MAR. .	20 0 10	20 18 48
21 0 7	APRIL	18 12 54	19 0 34
	○	3 7 16	3 4 0
	MAY .	18 1 38	18 8 59
	JUNE .	16 14 22	16 16 1
	JULY .	16 3 6	15 22 41
	AUG. .	14 15 50	14 6 7
	SEPT. .	13 4 34	12 15 23
	OCT. .	12 17 18	12 3 20
	○	27 11 40	27 16 32
	NOV. .	11 6 2	10 18 25
	DEC. .	10 18 46	10 12 12
1921.	JAN. .	9 7 30	9 7 37
B.	FEB. .	7 20 14	8 2 58
21 5 56	MAR. .	9 8 59	9 20 40
	APRIL	7 21 43	8 11 35
	○	22 16 5	22 10 15
	MAY .	7 10 27	7 23 24
	JUNE .	5 23 11	6 8 34
	JULY .	5 11 55	5 15 59
	AUG. .	4 0 39	3 22 47
	SEPT. .	2 13 23	2 6 3
	OCT. ○	2 2 7	1 14 45
		16 20 29	17 1 26
		31 14 51	31 1 44
	NOV. .	30 3 35	29 15 28
	DEC. .	29 16 19	29 7 52
1922.	JAN. .	28 5 4	28 2 12
A.	FEB. .	26 17 48	26 21 7
21 11 45	MAR. .	28 6 32	28 15 10
	APRIL	26 19 16	27 7 7
	MAY .	26 8 0	26 20 18
	JUNE .	24 20 44	25 6 50
	JULY .	24 9 28	24 15 24
	AUG. .	22 22 12	22 23 4
	SEPT. .	21 10 56	21 6 51
	OCT. .	20 23 40	20 15 39
	NOV. .	19 12 24	19 2 6
	DEC. .	19 1 8	18 14 37

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1923.		*d. h. m.*	*d. h. m.*
G.	JAN. .	17 13 52	17 5 12
March.	FEB. .	16 2 36	15 21 32
d. h. m.	○	2 20 58	3 6 14
21 17 34	MAR. .	17 15 20	17 14 55
	APRIL	16 4 4	16 8 18
	MAY .	15 16 48	16 0 38
	JUNE .	14 5 32	14 15 6
	JULY .	13 18 16	14 3 24
	AUG. .	12 7 0	12 13 49
	○	27 1 22	26 13 1
	SEPT. .	10 19 44	10 23 4
	OCT. .	10 8 28	10 8 3
	NOV. .	8 21 12	8 17 29
	DEC. .	8 9 56	8 3 54
1924.	JAN. .	6 22 40	6 15 27
F.E.	FEB. .	5 11 24	5 4 14
	○	20 5 46	20 18 41
20 23 23	MAR. .	6 0 9	5 18 12
	APRIL	4 12 53	4 9 14
	MAY .	4 1 37	4 1 0
	JUNE .	2 14 21	2 16 52
	JULY .	2 3 5	2 8 9
		31 15 49	31 22 13
	○	15 10 11	14 22 42
	AUG. .	30 4 33	30 10 54
	SEPT. .	28 17 17	28 22 22
	OCT. .	28 6 1	28 9 10
	NOV. .	26 18 45	26 19 46
	DEC. .	26 7 29	26 6 30
1925.	JAN. .	24 20 14	24 17 27
D.	○	8 14 36	9 0 3
	FEB. .	23 8 58	23 4 39
21 5 11	MAR. .	24 21 42	24 16 18
	APRIL	23 10 26	23 4 44
	MAY .	22 23 10	22 18 14
	JUNE .	21 11 54	21 8 50
	JULY .	21 0 38	21 0 8
	○	4 19 0	4 14 17
	AUG. .	19 13 22	19 15 34
	SEPT. .	18 2 6	18 6 30
	OCT. .	17 14 50	17 20 33
	NOV. .	16 3 34	16 9 38
	DEC. .	15 16 18	15 21 49

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1926.		d. h. m.	d. h. m.
C. March. d. h. m. 21 11 0	JAN.	14 5 2	14 9 12
	FEB.	12 17 46	12 19 51
	MAR.	14 6 30	14 5 53
	APRIL	12 19 14	12 15 36
	MAY	12 7 58	12 1 39
	JUNE	10 20 42	10 12 44
	JULY	10 9 26	10 1 30
	AUG.	8 22 10	8 16 5
	SEPT.	7 10 54	7 8 5
	OCT.	6 23 38	7 0 48
	NOV.	5 12 22	5 17 19
	DEC.	5 1 6	5 8 52
1927. B. 21 16 49	JAN.	3 13 50	3 22 57
	FEB.	2 2 35	2 11 22
	MAR.	3 15 19	3 22 5
	APRIL	2 4 3	2 7 21
	MAY	1 16 47	1 15 41
		31 5 31	30 23 54
	○ JUNE	14 23 53	15 10 44
		29 18 15	29 8 57
	JULY	29 6 59	28 19 47
	AUG.	27 19 43	27 9 3
	SEPT.	26 8 27	26 0 48
	OCT.	25 21 11	25 18 47
	NOV.	24 9 55	24 12 48
	○ DEC.	9 4 17	8 19 54
		23 22 39	24 6 34
1928. A.G. 20 22 38	JAN.	22 11 24	22 22 38
	FEB.	21 0 8	21 12 18
	MAR.	21 12 52	21 23 29
	APRIL	20 1 36	20 8 30
	MAY	19 14 20	19 16 6
	○ JUNE	3 8 42	3 14 23
		18 3 4	17 23 11
	JULY	17 15 48	17 6 48
	AUG.	16 4 32	15 16 3
	SEPT.	14 17 16	14 3 52
	OCT.	14 6 0	13 18 41
	NOV.	12 18 44	12 12 13
	○ DEC.	27 13 6	27 11 24
		12 7 28	12 7 23

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1929.		d. h. m.	d. h. m.
F. March. d. h. m. 21 4 27	JAN.	10 20 12	11 2 36
	FEB.	9 8 56	9 20 19
	MAR.	10 21 40	11 11 24
	APRIL	9 10 24	9 23 23
	MAY	8 23 8	9 8 52
	JUNE	7 11 52	7 16 23
	JULY	7 0 36	6 23 3
	AUG.	5 13 20	5 5 59
	SEPT.	4 2 4	3 14 16
	OCT.	3 14 48	3 0 52
	NOV.	2 3 32	1 14 27
	DEC.	1 16 16	1 7 1
		31 5 0	31 1 48
1903. E. 21 10 16	JAN.	29 17 44	29 21 22
	FEB.	28 6 29	28 16 0
	MAR.	29 19 13	30 8 18
	○ APRIL	13 13 35	13 8 29
		28 7 57	28 21 36
	MAY	27 20 41	28 7 57
	JUNE	26 9 25	26 16 7
	JULY	25 22 9	25 23 8
	AUG.	24 10 53	24 6 8
	SEPT.	22 23 37	22 14 8
	○ OCT.	7 17 59	7 21 33
		22 12 21	22 0 1
	NOV.	21 1 5	20 12 26
	DEC.	20 13 49	20 3 31
1931. D. 21 16 4	JAN.	19 2 34	18 20 56
	FEB.	17 15 18	17 15 34
	MAR.	19 4 2	19 10 4
	○ APRIL	2 22 24	2 22 56
		17 16 46	18 3 3
	MAY	17 5 30	17 17 35
	JUNE	15 18 14	16 5 23
	JULY	15 6 58	15 14 55
	AUG.	13 19 42	13 23 2
	SEPT.	12 8 26	12 6 44
	○	27 2 48	26 22 23
	OCT.	11 21 10	11 15 12
	NOV.	10 9 54	10 0 54
	DEC.	9 22 38	9 12 26

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1932.		*d. h. m.*	*d. h. m.*
C.B.	JAN. .	8 11 22	8 1 57
March.	FEB. .	7 0 6	6 17 17
d. h. m.	MAR. .	7 12 50	7 10 0
20 21 53	○	22 7 12	22 15 24
	APRIL	6 1 34	6 3 16
	MAY .	5 14 18	5 20 4
	JUNE .	4 8 2	4 11 29
	JULY .	3 15 46	4 0 55
	AUG. .	2 4 30	2 12 21
		31 17 14	31 22 18
	○	15 11 36	14 23 34
	SEPT. .	30 5 58	30 7 33
	OCT. .	29 18 42	29 17 4
	NOV. .	28 7 26	28 2 58
	DEC. .	27 20 10	27 13 58
1933.	JAN. .	26 8 55	26 2 3
A.	FEB. .	24 21 39	24 15 13
21 8 42	MAR. .	26 10 23	26 5 26
	APRIL	24 23 7	24 20 36
	MAY .	24 11 51	24 12 17
	JUNE .	23 0 35	23 3 51
	JULY .	22 13 19	22 18 39
	AUG. .	21 2 3	21 8 13
	SEPT. .	19 14 47	19 20 32
	OCT. .	19 3 31	19 7 54
	NOV. .	17 16 15	17 18 47
	DEC. .	17 4 59	17 5 34

Mean Vernal Equinox.	Month.	Mean New Moon. (○ Full Ecl.)	True New Moon. (○ Full Ecl.)
A.D. 1934.		*d. h. m.*	*d. h. m.*
G.	JAN. .	15 17 43	15 16 25
	○	30 12 5	30 18 51
March.	FEB. .	14 6 27	14 3 21
d. h. m.	MAR. .	15 19 11	15 14 31
21 9 31	APRIL	14 7 55	14 2 12
	MAY .	13 20 39	13 14 51
	JUNE .	12 9 23	12 4 42
	JULY .	11 22 7	11 19 37
	○	26 16 29	26 14 37
	AUG. .	10 10 51	10 11 9
	SEPT. .	8 23 35	9 2 36
	OCT. .	8 12 19	8 17 25

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